EC 826380		PN 2597104
27MAY83		

Printer Symptom Index

5360 Systems Unit

PAGE 1 OF 1

ENTRY POINTS

FROM		ENTER	THIS MAF	>
MAP NUMBER		ENTRY POINT	PAGE NUMBER	STEP NUMBER
		No en	try in th	nis table

EXIT POINTS

EXIT TH	IS MAP	 ТО	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT
1		5001	A
1		5004	A

MAP DESCRIPTION:

This is the printer error symptom MAP. It goes to the correct MAP for the symptom indicated.

START CONDITIONS: None FRUs TESTED: None

Select from the following symptoms:

******	******
*	Exit *
* Symptom	To *
* ************************************	MAP *
* Printer power problems	5004 *
* Cable interlock check *	5036 *
* For all other 3262 * printer error symptoms *	* 5001 *
* Intermittent problems	0300 *
<pre>* Printer function * test description (MIM 50-430) *</pre>	* None * +*

- If you suspect that the problem is intermittent, run ERAP to aid in isolating the failure (MIM 01-360).

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15Feb84 PN 2596063 EC 826487 PEC 826380 MAP 5000-1

Printer Entry MAP

5360 Systems Unit

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ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
0101	Α	1	001
0199	A	1	001
5000	A	1	001
5036	A	1	001

001

(Entry Point A)

Some symptoms of 3262 printer power problems are: The printer fails to power on with system power on.

The printer powers on then powers off with system power on.

The printer remains powered on with system power off.

Are there any printer power problems indicated?

ΥN

002

(Entry Point B) Obvious printer problems are:

The forms are jammed. The type belt is broken. The ribbon is torn or jammed. Unusual noise, smoke or torn paper.

Are there any obvious printer problems? Y N



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EXIT POINTS

EXIT TH	IS MAP	то	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT
2	005	5004	Α

MAP DESCRIPTION:

This is the printer entry MAP. This MAP aids in determining the correct action to take in diagnosing failures in the printer and the printer attachment.

START CONDITIONS:

The system and printer power are on.

- Ensure that the belt and ribbon are installed and that the forms are loaded in the printer.
- Check that the throat is closed and the belt cover is fastened tightly.

FRUs PARTIALLY TESTED: A-A2S2 and T2

15Feb84 PN 2596064 EC 826487 PEC 826380 MAP 5001-1

222 XBC C 1 MAP 5001-2 Printer Entry MAP A B 1 1 5360 Systems Unit PAGE 2 OF 2 (Step 003 continued) applicable, go to the MAP indicated. If the 003 (Entry Point C) error recording information fails to correct the problem, return here. Note: You must have a dedicated system to take this - If you are satisfied that the system is path. functioning properly, return it to the customer. Run the printer MDI diagnostics as follows: If there is still a problem on the system, refer to the General MIM for other testing procedures. - Select mode E. - Enter FFFO. - If the error recording information fails to find - Insert diskette DIAG21. the cause of the problem or an error recording - Press the Load key. does not exist, and the General MIM does not - Wait for the main menu display and select MDI provide any additional tests or procedures to MAPs. isolate the problem, go to the Intermittent - When the next screen appears, select the 3262 Failure Replacement List MAP (0300). Printer option. 004 Note: If a processor check occurs in the MDIs, the - Record the indicated error or symptom for use in correct repair action is to: the 3262 Printer Entry MAP. Go to the 3262 printer entry MAP 0010, Entry Point - Reseat the cables from board A1 to A2. Α. - Reseat cards at A-A2S2 and A-A2T2 (printer attachment). 005 Go To Map 5004, Entry Point A.

Bad card:

A-A2S2 ---or---

A-A2T2 card (printer attachment).

- Check continuity of the channel interface signals from the channel card to the cards at A-A2S2 and A-A2T2 (printer attachment). See pages PS200 and PT200, in FLD Volume C.

If the printer MDI diagnostics have been run, The following information includes suggestions that

might aid you in finding a machine problem:

- Use the MAP description and the supplemental column (right column) information in the MAPs to aid you in your analysis of the problem.
- Look at the error log recordings using ERAP. Use the error recording information (01-360) to help analyze the error history table information for the different areas. If the error recording information s (Step 003 continues)

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MAP 5001-2

Printout Analysis MAP

5360 Systems Unit

PAGE 1 OF 3

001 (Entry Point A)

- Remove the forms from the printer where you printed the printer function tests and observe the output using this MAP. For a description of the printer function tests, see MIM 50-430.

MAP DESCRIPTION:

This MAP will determine if the print transport mechanism is operating correctly. It will also analyze the print quality of the output.

START CONDITIONS: None

FRUs PARTIALLY TESTED: None

Paper clamp problems are not always easy to determine. MAP 5028, Entry Point B will analyze the (-activate paper clamp) circuit and interface line.

Did the carriage go into forms run away? Y N 002

Did the carriage space and skip correctly? Y N

003 Go to the 3262 printer entry MAP 0010, Entry Point A.

004

3 3 2 2 2 A B C D E

The following information will analyze the print quality of the output. - See printer unit MIM (02-040). Is a ribbon problem indicated? Y N 005 Is the printing smudged? Y N 006 Is there a horizontal cutoff problem? Y N

> 15Feb84 PN 2596065 EC 826487 PEC 826380 MAP 5002-1

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Ę	Printout Analysis	ÇŢF	GHJ	ſ	MAP 5002-2
1	5360 Systems Unit				
	PAGE 2 OF 3				
007 Is there a Y N	a vertical registration problem?			(Step 011 continued other testing proce - If the error reco) dures. rding information
008 Is ther Y N	e a horizontal registration problem?			fails to find the problem or an erro not exist, and th does not provide tests or procedure	e cause of the or recording does ne General MIM e any additional es to isolate the
009 Are Y N	any print positions missing?			problem, go to Failure Replacem (0300).	the Intermittent ent List MAP
	10 Are the print lines wavy? / N			12 To to the 3262 printer Entry Point A.	entry MAP 0010,
	011 This is the end of the printer good machine test path.		Go Entr	to the 3262 printer o y Point A.	entry MAP 0010,
	If there is still a printer problem The following information includes suggestions that might aid you in finding a machine problem:		onterna de la constante de la	the 3262 printer entry A.	MAP 0010, Entry
	- Use the MAP description and the supplemental column (right column) information in the MAPs to aid you in your analysis of the problem.	0 G P 016	15 io to the oint A.	e 3262 printer entry	MAP 0010, Entry
	- Look at the error log recordings using ERAP. Use the error recording information (01-360) to help analyze the error history table information for the different areas. If the error recording information is applicable, go to the MAP	Go 1 A. 017 Go to t	to the 32	62 printer entry MAP printer entry MAP	0010, Entry Point 10, Entry Point A.
	indicated. If the error recording information fails to correct the problem, return here.				
	 If you are satisfied that the system is functioning properly, return it to the customer. If there is still a problem on the system, refer to the General MIM for (Step 011 continues) 				
				15Feb84	PN 2596065
				EC 826487	PEC 826380
FGHJ	l				MAP 5002-2

MAP 5002-3

A B Printout Analysis 1 1 5360 Systems Unit

PAGE 3 OF 3

018

Go to the 3262 printer entry MAP 0010, Entry Point A.

. 019

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596065 EC 826487 PEC 826380 MAP 5002-3

Printer Power On MAP

5360 Systems Unit

PAGE 1 OF 7

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E265	D	3	017
E269	A	1	001
E273	A	1	001
5000	A	1	001
5001	A	1	001
5020	A	1	001

001

(Entry Point A)

- Observe and record the condition of the 3262 printer power on indicator (printer console) while performing the following steps:
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode 6.
- Press the Power key (power off).
- Wait for the Power light to go off.

Is the printer Power On indicator on when the system power is off?

Y N

002

- Observe the condition of the 3262 printer Power On indicator (printer console) while performing the following step.

- Press the Power key (power on).

Does the printer Power On indicator light appear when the system is powered on? ΥN

003

Go to Page 5, Step 038, Entry Point B.

MAP DESCRIPTION:

EXIT POINTS

PAGE

NUMBER

5

6

6

4

6

EXIT THIS MAP

STEP

NUMBER

037

050

049

027

048

This MAP aids you in determining the cause of the printer power problem.

то

MAP

NUMBER

5012

5012

5042

5042

5042

START CONDITIONS:

The system power is On. The printer unit emergency switch is in the power enable position.

FRUs PARTIALLY TESTED: A-A2S2, T2 and V2

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ENTRY

POINT

D

D

Α

В

В

B 1 CDEF **Printer Power On MAP** MAP 5004-2 5360 Systems Unit PAGE 2 OF 7 **004** Ó11 Does the printer Power On indicator light appear Bad card: and remain on? A-A2T2 ΥN ---or---A-A2S2. 005 Go to Page 7, Step 051, Entry Point C. 012 Bad card: 006 A-A2S2. - Select mode E. - Enter FF00. 013 - Insert diskette DIAG21. Bad card: - Press the Load key. A-A2S2. - Select the TU select option. - Select the 3262 printer option. 014 - Select TE28C which is the Printer Power On Latch - Set the printer Unit Emergency switch to the Power Test. Off position. Did the TU return a result byte of 0000? - Select TE28C which is the Printer Power On Latch YN Test. Did the TU return a result byte of C000? 007 ΥN Did the TU return a result byte of 4000? Y N 015 Did the TU return a result byte of 0000? 008 ΥN Did the TU return a result byte of 8000? Y N 016 Bad card: 009 A-A2T2 Did the TU return a result byte of C000? ---or---Y N A-A2S2 ---or---010 A-A2R2. Bad card: A-A2R2 ---or---A-A2T2 ---or---A-A2S2. 15Feb84 PN 2596066 EC 826487 PEC 826380 4 3 G H CDEF MAP 5004-2

Printer Power On MAP

5360 Systems Unit

PAGE 3 OF 7

017

H 2

(Entry Point D)

- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2T2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2J13 (-power complete).

Are the lights correct?

ΥN

018

Bad card: A-A2T2.

019

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2J13 (-power complete). Are the lights correct?

ò20

JK

There is a printer power problem.

 Record the indicated error or symptom for use in the 3262 printer entry MAP.

MAP 5004-3

- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

021

- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2J13 (-power complete).

Are the lights correct? Y N

022 Bad card: A-A2S2.

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 PEC 826380

MAP 5004-3

JΚ

N

AGL Prin

Printer Power On MAP

5360 Systems Unit

PAGE 4 OF 7

023

Bad cable at location A-A2V2

---or---Bad -power complete net on I/O board A2 (FLD Page PT200).

024

- Look at the error log recording using ERAP. Use the error recording information (01-360) to analyze the error recording information for the 3262 printer.

Does the error log indicate that a Thermal Check 1 has occurred?

ΥN

025

Does the error log indicate that a Thermal Check 2 has occurred?

y n |

026 Bad card: A-A2T2 ---or---A-A2S2.

027

Go To Map 5042, Entry Point B.

028

Go to the 3262 printer entry MAP 0010, Entry Pcint A.

029

Ν

Is the CE-Mode Function indicator light on (yellow indicator located below the green Ready indicator on the printer console)?

MAP 5004-4

030

Ν

Remove the 3262 printer attachment card at A-A2T2.
 Is the printer Power On indicator on (system power is off)?
 Y N

```
031
Bad card:
A-A2T2.
```

032

- Remove the 3262 printer attachment card at A-A2S2. Is the printer Power On indicator on (system power is off)?

ΥN

033 Bad card: A-A2S2.

034

- Leave the printer Unit Emergency switch in the Power Enable position.
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (MIM 50-230).

Is the printer Power On indicator on?

ΥN

035

Bad cable at location A-A2V2

---or---Bad -printer power on net on I/O board A2 (FLD Page PS200).

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	MAP 5004-4

5 P

| | 5 M N

Printer Power On MAP

5360 Systems Unit

PAGE 5 OF 7

036

M P 4 4

- Set the printer Unit Emergency switch to the Power Off position.

The -printer power on interface line is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

037

The printer appears to be in CE-Mode. Go To Map 5012, Entry Point D.

038

(Entry Point B)

Is the CE-Mode Function indicator light on (yellow indicator located below the green Ready indicator on the printer console)?

ΥN

039

- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.

- Select TE262 which is the Printer Sense Test. Did the TU return a result byte of x800 (Thermal Check 1)?

YN

040

- Select TE265 which is the Switch Reg Sense Test.

Did the TU return a result byte of 0400 (Thermal Check 2)? Y N

i "

- 041
- Select mode 6.
- Press the Power key (power off).
- Check for an unseated card at A-A2T2, and unseated cables at locations:
- A-A2V2

Printer cable 1 (blue), system cable tower (50-230).

- Press the Power key (power on).

Did the Power On indicator (printer console) appear and remain On?



l	Printer Power On MAP	Q	RS	Ţν	MAP 5004-6
	5360 Systems Unit	у. Т		, I	
	PAGE 6 OF 7				
(I 042				46
ł	Probe A-A2T2J12 (-printer power on).			Τ	here is a printer power problem.
(Gating used:			-	Record the indicated error or symptom for use in the 3262 printer entry MAP.
•	– Set probe switches.			-	Select mode 6.
•	- Gate Ref to +1.4 V.			-	Press the Power key (power off).
•	- Latch to Down.			-	Reinstall any cables removed earlier. Reinstall any logic cards removed earlier
-	- Select mode 4.			_	Press the Power key (power on).
•	- Press the System Reset key.			-	Set the printer Unit Emergency switch to the Power Enable position
	Up Light: Ignore			-	Select mode E.
	Down Light: On			-	Enter FF00. Insert diskette DIAG21.
1	Are the lights correct?			_	Press the Load key.
	YN			-	Select the TU Select option.
				-	Select the 3262 Printer option.
	043			-	Select TE217 which loads the 3262
	Bad card:				printer functional microcode into the
	A-A2T2.				printer controller.
(044				
-	- Set the printer Unit Emergency switch to the Power			G	to the 3262 printer entry MAP 0010,
	Off position.			E	ntry Point A.
•	- Select mode 6.				
	- Press the Power key (power off).			047	
-	- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50–230).			The	printer power problem is repaired.
•	- Check continuity between cable socket 3 pin B02		048	3	
_	and A-A2T2J12 (-printer power on).		Go	То	Map 5042, Entry Point B.
1	Was continuity OK?		1		
			049 Go To	o Ma	ap 5042, Entry Point A.
Į	045				
	Bad cable at location A-A2V2	050)		
	or	The	e print	er a	ppears to be in CE-Mode.
	Bad -printer power on net on I/O board A2 (FLD Page PT200).	Go	To N	lap	5012, Entry Point D.

Printer Power On MAP	W	Х			MAP 5004-7
5360 Systems Unit	1	1			
	ļ				
051		054			
(Entry Point C)		The -pow	ver complete in	iterface	line is not at the
Gating used:		- Record	level the indicated er	ror or ev	motom for use in
		the 3262	2 printer entry M	IAP.	
- Set probe switches.		- Select n	node 6.		
- Gate Ref to +1.4 V.		- Press th	e Power key (po	ower off)	•
		- Reinstal	I any cables rem	loved ea	rlier. d. oorlier
- Select mode 4.		- Press th	e Power key (po	wer on)	u earlier.
- Press the System Reset key.	1	- Set the	printer Unit	Emergen	cy switch to the
		Power E	nable position.	-	
Up Light: Ignore		- Select n	node E.		
Down Light: On		- Enter FF	-00. Jakotto DIAC21		
Are the lights correct?		- Press th	e Load key.		
YN		- Select tl	he TU Select op	tion.	
		- Select tl	he 3262 Printer	option.	
052	.	- Select	TE217 which	loads	the 3262 printer
- Set the printer Unit Emergency switch to the Power Off position	ine	functiona	al microcode inte	o the pri	nter controller.
- Select mode 6.					
- Press the Power key (power off).		Go to the	3262 printer en	try MAP	0010, Entry Point
- Disconnect printer cables 1, 2 and 3 (blue) at t	the	Α.			
cable tower (50-230).					
and A-A2T2.113 (-power complete)	8 U: B:	95 ad card:			
Was continuity OK?	A	-A2T2.			
YN					
053					
Bad -power complete net on I/O board A2 (F	LD				
Page PT200).					
			15F	eb84	PN 2596066

Printer Controller MAP

5360 Systems Unit

PAGE 1 OF 5

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E251	A	1	001
E251	D	5	026
E253	A	1	001
E259	A	1	001
E261	A	1	001
E269	A	1	001
E273	A	1	001

EXIT POINTS

EXIT THIS MAP		то	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT
4	025	0599	В

001

(Entry Point A)

- Ensure that the four top card connectors are correctly seated over the cards at A-A2R2, S2 and T2 (MIM 50-220).

The top card connectors in the W and X positions are different from those in the Y and Z positions.

Are the four top card connectors installed correctly?

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MAP DESCRIPTION:

This is the printer controller error MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the belt and ribbon are installed and that the forms are loaded in the printer.
- Check that the throat is closed and the belt cover is fastened tightly.

FRUs PARTIALLY TESTED:

A-A2R2, S2, T2, A1Z3, A1L2 or A1N2, A1M2

Directly?

22 AR 15Feb83 PN 2596067 EC 826487 PEC 826380 MAP 5006-1

MAP 5006-1

Prtr Cntlr MAP

5360 Systems Unit

PAGE 2 OF 5

002

A B 1 1

- Select mode 6.
- Press the Power key (power off).
- Reseat the top card connectors between A-A2Fi2, A-A2S2 and A-A2T2.
- Press the Power key (power on).
- Select mode E.
- Enter FFFO.
- Insert diskette DIAG21.
- Press the Load key.
- Wait for the main menu display and select MDI MAPs.
- When the next screen appears, select the 3262 Printer option.
- Run the 3262 printer MDIs to verify the fix.

003

- Select mode 6.
- Press the Power key (power off).
- Remove top card connectors between A-A2R2, S2 and T2.
- Inspect each one for bent or broken pins.
- Are the top card connector pins OK?

```
ΥN
```

```
004
```

Bad top card connector.

005

- Reinstall top card connectors between A-A2R2, S2 and T2 logic cards.
- Note: Ensure that the 3262 printer attachment top card connectors are in the correct positions (50-220).

- Press the Power key (power on).

- Measure the voltages of the following Pins:

Pin	Minimum	Nominal
A2R2D03	+4.55V	(+5V)
A2S2D03	+4.55V	(+5V)
A2T2D03	+4.55V	(+5V)
A2R2S11	+7.68V	(+8.5V)
A2T2S11	+7.68V	(+8.5V)
(Step 005 co	ntinues)	

(Step 005 continued)
Are any of the voltages missing or less than the minimum voltage?

ΥN

006

Note: - Do not use the extension cable while probing 16 mhz signal.

- Probe the following:

Up Light: On or flashing Down Light: On or flashing

```
A-A2R2J02 (+16 mhz oscillator).
Are the lights correct?
Y N
```

007

Note: - Do not use the extension cable while probing 16 mhz signal. - Probe the following:

Up Light: On or flashing Down Light: On or flashing

```
A-A2S2M05 (+16 mhz oscillator).
Are the lights correct?
Y N
```

008

Note: - Do not use the extension cable while probing 16 mhz signal.

- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2R2.
- Press the Power key (power on).
- Probe the following:

Up Light: On or flashing Down Light: On or flashing

A-A2S2M05 (+16 mhz oscillator). (Step 008 continues)

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33	EC 826487	PEC 826380
ĎĔ		MAP 5006-2

D E 2 2 Prtr Cntir MAP FGH MAP 5006-3 5360 Systems Unit PAGE 3 OF 5 (Step 008 continued) Are the lights correct? **014** ΥN Is there a card in location A-A1L2? Y N 009 Bad card: 015 A-A2S2. +131 msec clock line is bad. Bad card: 010 A1N2 Bad card: ---or---A-A2R2. Bad cable: A1Z3. 011 Bad +16 mhz oscillator net on I/O board A2 (FLD 016 Page PS200). +131 msec clock line is bad. Bad card: 012 A1L2 (Entry Point B) ---or---- Probe the following: Bad cable: A1Z3. Up Light: On or flashing Down Light: On or flashing 017 Bad card: A-A2S2G07 (+131 msec clock). A-A2S2. Are the lights correct? Y N 018 (Entry Point C) 013 - Probe the following: - Select mode 6. - Press the Power key (power off). Light: On or flashing Up - Remove the 3262 printer attachment card at Down Light: On or flashing A-A2S2. - Press the Power key (power on). A-A2S2J12 (+512 usec clock). - Probe the following: Are the lights correct? Y N Up Light: On or flashing Down Light: On or flashing A-A2S2G07 (+131 msec clock). Are the lights correct? ΥN 15Feb83 PN 2596067 EC 826487 PEC 826380 4 4 J K FGH MAP 5006-3

К 3 Prtr Cntlr MAP C J 2 3 MAP 5006-4 5360 Systems Unit PAGE 4 OF 5 **Ö19** 024 - Select mode 6. Bad card: - Press the Power key (power off). A-A2R2 - Remove the 3262 printer attachment card at A-A2S2. ---or---- Press the Power key (power on). A-A2S2 - Probe the following: ---or---A-A2T2. Up Light: On or flashing Down Light: On or flashing 025 Go To Map 0599, Entry Point B. A-A2S2J12 (+512 usec clock). Are the lights correct? Y N 020 Is there a card in location A-A1L2? Y N 021 +512 Usec clock is bad. Bad card: A1N2 A1M2 ---or---Bad cable: A1Z3. 022 +512 Usec clock is bad. Bad card: A1L2 ---or---Bad cable: A1Z3. 023 Bad card: A-A2S2.

> 15Feb83 PN 2596067 EC 826487 PEC 826380 MAP 5006-4

Prtr Cntlr MAP

5360 Systems Unit

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026

(Entry Point D)

A processor check occurred while running the 3262 printer MDIs.

- Complete the following repair actions until the problem is fixed:
- Reseat the cables from board A1 to A2.
- Reseat cards at A-A2S2 and A-A2T2 (printer attachment).

Bad card:

A2S2

---or---

A2T2.

- Check continuity of the channel interface signals from the channel card to the cards at A2S2 and A2T2 (FLD PS200 and PT200).
- Return to the system entry MAP to repair the cause of the processor check.

.

Printer Console Light MAP

5360 Systems Unit

PAGE 1 OF 7

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E257 E257 E257 E257 E257	A B C D	1 3 4 6	001 012 023 034

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin D09 and cable socket 2 pin B08 (G08 for 2 wide connectors/sockets) (-check indicator jumpered to -impression control single shot).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D8.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

......

ľ	N		
	00 - (Do	2 Cont o re:	tinue to loop on test TE2D8. sults = 4000?
	ľ		© Copyright IBM Corp. 1983
2 A	2 B	2 C	

MAP DESCRIPTION:

This is the printer console light error MAP.

This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that forms are loaded in the printer.
- Check that the throat and belt covers are closed.

Jumper PN 5785274 required.

FRUs PARTIALLY TESTED:

A-A2S2 Board wiring System cables

> 15Feb84 PN 2596068 EC 826487 PEC 826380 MAP 5008-1

B C 1 1 AD **Console Light MAP** MAP 5008-2 5360 Systems Unit PAGE 2 OF 7 003 **008** - Press the ATTN key to stop the test loop. - Continue to loop on test TE2D8. - Remove the jumper. - Remove the jumper. - Select mode 6. jumper Install between A-A2S2S02 and - Press the Power key (power off). A-A2V3B08 - Remove the 3262 printer attachment card at (-check indicator jumpered to -impression control A-A2S2. single shot). - Press the Power key (power on). Do results = 4000?- Probe the following: Y N Up Light: Off 009 Down Light: On Bad -check indicator net on I/O board A2 (FLD Page PS200). A-A2S2S02 (-check indicator). Are the lights correct? 010 YN Bad card: A-A2S2. 004 Bad card: 011 A-A2S2. The -check indicator interface line is not at the expected level. 005 - Press the ATTN key to stop the test loop. Bad cable at location A-A2V2 - Remove the jumper. ---or---- Record the indicated error or symptom for use in the Bad -check indicator net on I/O board A2 (FLD 3262 printer entry MAP. Page PS200). - Select mode 6. - Press the Power key (power off). 006 - Reinstall any cables removed earlier. - Continue to loop on test TE2D8. - Reinstall any logic cards removed earlier. - Remove the jumper. - Press the Power key (power on). - Install jumper between A-A2V2D09 and A-A2V3B08 - Set the printer Unit Emergency switch to the Power (-check indicator jumpered to -impression control Enable position. single shot). - Select mode E. Do results = 4000?- Enter FF00. ΥN - Insert diskette DIAG21. - Press the Load key. 007 - Select the TU Select option.

Bad cable at location A-A2V2.

- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

EC 826487	PEC 826380
	MAP 5008-2

Console Light MAP

5360 Systems Unit

PAGE 3 OF 7

012

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin D12 and cable socket 2 pin B03 (G03 for 2 wide connectors/sockets) (-forms indicator jumpered to -print subscans).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D7.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

È

013

- Continue to loop on test TE2D7. Do results = 4000?

ΥN

- 014
- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

```
Up Light: Off
Down Light: On
```

(Step 014 continues)

MAP 5008-3

(Step 014 continued) A-A2S2U02 (-forms indicator).

Are the lights correct?

ΥN

F

```
015
Bad card:
A-A2S2.
```

016

```
Bad cable at location A-A2V2
```

---or---Bad -forms indicator net on I/O board A2 (FLD Page PS200).

017

- Continue to loop on test TE2D7.
- Remove the jumper.
- Install jumper between A-A2V2D12 and A-A2V3B03 (-forms indicator jumpered to -print subscans).

Do results = 4000?

```
ΥN
```

```
018
Bad cable at location A-A2V2.
```

019

- Continue to loop on test TE2D7.
- Remove the jumper.
- Install jumper between A-A2S2U02 and A-A2V3B03 (-forms indicator jumpered to -print subscans).

Do results = 4000?

ΥN

020

Bad -forms indicator net on I/O board A2 (FLD Page PS200).

021

Bad card: A-A2S2.

15Feb84	PN 2596068
EC 826487	PEC 826380
	MAP 5008-3

Console Light MAP

5360 Systems Unit

PAGE 4 OF 7

022

Е 3

The -forms indicator interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

023

(Entry Point C)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin D13 and cable socket 2 pin D11 (J11 for 2 wide connectors/sockets) (-ready indicator jumpered to -home).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D9.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

024

- Continue to loop on test TE2D9.

```
Do results = 4000?
```

YN

- 025
- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

```
Up Light: Off
Down Light: On
```

(Step 025 continues)

	15Feb84	PN 2596068
1 5 5	EC 826487	PEC 826380
G H		MAP 5008-4

H 4

Console Light MAP

5360 Systems Unit

PAGE 5 OF 7

(Step 025 continued) A-A2S2S03 (-ready indicator).

Are the lights correct?

ΥN

026 Bad card: A-A2S2.

027

Bad cable at location A-A2V2

---or---

Bad -ready indicator net on I/O board A2 (FLD Page PS200).

028

- Continue to loop on test TE2D9.
- Remove the jumper.

- Install jumper between A-A2V2D13 and A-A2V3D11 (-ready indicator jumpered to -home).

Do results = 4000?

ΥN

029

Bad cable at location A-A2V2.

030

- Continue to loop on test TE2D9.
- Remove the jumper.
- Install jumper between A-A2S2S03 and A-A2V3D11 (-ready indicator jumpered to -home).

Do results = 4000?

Y N

031 Bad -ready indicator net on I/O board A2 (FLD Page PS200).

032

Bad card: A-A2S2.

MAP 5008-5

Ö33

G 4

The -ready indicator interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

Console Light MAP

5360 Systems Unit

PAGE 6 OF 7

034

(Entry Point D)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin D11 and cable socket 3 pin B08 (-interlock indicator jumpered to -power complete).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D3.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

035

- Continue to loop on test TE2D3. Do results = 4000?

ΥN

036

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2M13 (-interlock indicator). (Step 036 continues) (Step 036 continued) Are the lights correct? Y N

> **037** Bad card: A-A2S2.

038

Κ

Bad cable at location A-A2V2

---or---Bad -interlock indicator net on I/O board A2 (FLD Page PS200).

039

- Continue to loop on test TE2D3.
- Remove the jumper.
- Install jumper between A-A2V2D11 and B08 (-interlock indicator jumpered to -power complete).

Do results = 4000?

ΥN

040

Bad cable at location A-A2V2.

041

- Continue to loop on test TE2D3.
- Remove the jumper.
- Install jumper between A-A2S2M13 and A-A2V2B08 (-interlock indicator jumpered to -power complete).

Do results = 4000?

ΥN

042

Bad -interlock indicator net on I/O board A2 (FLD Page PS200).

043

Bad card: A-A2S2.

> 15Feb84 PN 2596068 EC 826487 PEC 826380 MAP 5008-6

ĴΚ

Console Light MAP

5360 Systems Unit

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J 6

The -interlock indicator interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

Printer Console Key Error MAP

5360 Systems Unit

PAGE 1 OF 7

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E267	Α	1	001
E267	В	3	012
E267	С	4	023
E267	D	6	034
E275	A	1	001
E275	В	3	012
E275	C	4	023
E275	D	6	034

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin B05 and cable socket 1 pin D10 (-Carriage Space key jumpered to -fire tier 2).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E5.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?



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MAP DESCRIPTION:

This is the printer console key error MAP. This MAP finds the failing FRU or goes to the correct 3262 Printer MAP if necessary.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that the forms are loaded in the printer.
- Check that the throat and belt covers are closed. Jumper PN 5785274 required.

FRUs PARTIALLY TESTED:

A-A2S2 Board wiring I/O cables Printer cable

> 15Feb84 PN 2596069 EC 826487 PEC 826380 MAP 5010-1

Console Key Error MAP 5360 Systems Unit PAGE 2 OF 7

002

8 1

- Continue to loop on test TE2E5. Do results = 4000?

YN

003

- Press the ATTN key to stop the test loop.
- ~ Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2S12 (-Carriage Space key). Are the lights correct?

Y N

004 Bad card: A-A2S2.

005

Bad cable at location A-A2V2

---or---

Bad -Carriage Space key net on I/O board A2 (FLD Page PS200).

006

- Continue to loop on test TE2E5.
- Remove the jumper.
- Install jumper between A-A2V2B05 and A-A2V4D10 (-Carriage Space key jumpered to -fire tier 2).

Do results = 4000?

ΥN

007

Bad cable at location A-A2V2.

608

A C

- Continue to loop on test TE2E5.
- Remove the jumper.
- Install jumper between A-A2S2S12 and A-A2V4D10 (-Carriage Space key jumpered to -fire tier 2).

MAP 5010-2

Do results = 4000?

ΥN

009

Bad -Carriage Space key net on I/O board A2 (FLD Page PS200).

010

```
Bad card:
A-A2S2.
```

011

The -Carriage Space key interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84	PN 2596069	
EC 826487	PEC 826380	
	MAP 5010-2	

Console Kev Error MAP

5360 Systems Unit

PAGE 3 OF 7

012

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin D10 and cable socket 1 pin D11 (-Ready key jumpered to -fire tier 3).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E6.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

Ν

013

- Continue to loop on test TE2E6. Do results = 4000?

- 014
- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Light: Off Up Down Light: On

A-A2S2P11 (-Ready key). (Step 014 continues)

(Step 014 continued) Are the lights correct? ΥN 015

Bad card: A-A2S2.

016

Ε

Bad cable at location A-A2V2 ---or---Bad -Ready key net on I/O board A2 (FLD Page PS200).

017

- Continue to loop on test TE2E6.

- Remove the jumper.
- Install jumper between A-A2V2D10 and A-A2V4D11
- (-Ready key jumpered to -fire tier 3). Do results = 4000?

ΥN

018

Bad cable at location A-A2V2.

019

- Continue to loop on test TE2E6.

- Remove the jumper.
- Install jumper between A-A2S2P11 and A-A2V4D11
- (-Ready key jumpered to -fire tier 3). Do results = 4000?

Ν

020

Bad -Ready key net on I/O board A2 (FLD Page PS200).

021

Bad card: A-A2S2.

15Feb84	PN 2596069
EC 826487	PEC 826380
	MAP 5010-3

MAP 5010-3

Console Key Error MAP

5360 Systems Unit

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022

D 3

The -Ready key interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

023

(Entry Point C)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin B12 and cable socket 1 pin D12 (-Stop/Reset key jumpered to -fire tier 4).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E7.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

```
ΥN
```

```
024
```

- Continue to loop on test TE2E7.

```
Do results = 4000?
```

```
ΥN
```

5

025

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

```
Up Light: Off
Down Light: On
```

```
A-A2S2P12 (-Stop/Reset key).
(Step 025 continues)
```

15Fo	eb84 P	N 2596069
EC 8	326487 P	EC 826380
	N	1AP 5010-4

MAP 5010-4

G

Console Key Error MAP

5360 Systems Unit

PAGE 5 OF 7

(Step 025 continued) Are the lights correct?

'N

026 Bad card: A-A2S2.

027

Bad cable at location A-A2V2

---or---

Bad -Stop/Reset key net on I/O board A2 (FLD Page PS200).

028

- Continue to loop on test TE2E7.
- Remove the jumper.
- Install jumper between A-A2V2B12 and A-A2V4D12 (-Stop/Reset key jumpered to -fire tier 4).

Do results = 4000?

ΥN

029

Bad cable at location A-A2V2.

030

- Continue to loop on test TE2E7.
- Remove the jumper.
- Install jumper between A-A2S2P12 and A-A2V4D12 (-Stop/Reset key jumpered to -fire tier 4).

Do results = 4000?

ΥN

031

Bad -Stop/Reset key net on I/O board A2 (FLD Page PS200).

032

Bad card: A-A2S2.

033

F 4

The -Stop/Reset key interface line is not at the expected level.

MAP 5010-5

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596069 EC 826487 PEC 826380 MAP 5010-5

Console Key Error MAP

5360 Systems Unit

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034

(Entry Point D)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin B06 and cable socket 1 pin D13 (-Carriage Restore key jumpered to -fire tier 5).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E8.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

035

- Continue to loop on test TE2E8. Do results = 4000?

ΥN

036

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2S13 (-Carriage Restore key). (Step 036 continues) (Step 036 continued) Are the lights correct? Y N

037 Bad card: A-A2S2.

038

J

Bad cable at location A-A2V2 ---or---Bad -Carriage Restore key net on I/O board A2 (FLD Page PS200).

. 039

- Continue to loop on test TE2E8.
- Remove the jumper.
- Install jumper between A-A2V2B06 and A-A2V4D13 (-Carriage Restore key jumpered to -fire tier 5).

Do results = 4000?

ΥN

040

Bad cable at location A-A2V2.

. 041

- Continue to loop on test TE2E8.
- Remove the jumper.
- Install jumper between A-A2S2S13 and A-A2V4D13 (-Carriage Restore key jumpered to -fire tier 5).

Do results = 4000?

ΥN

042

Bad -Carriage Restore key net on I/O board A2 (FLD Page PS200).

043

Bad card: A-A2S2.

> 15Feb84 PN 2596069 EC 826487 PEC 826380 MAP 5010-6

Console Key Error MAP

5360 Systems Unit

PAGE 7 OF 7

044

H 6

The -Carriage Restore key interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

Printer Control Switch MAP

5360 Systems Unit

PAGE 1 OF 7

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E265	A	1	001
E265	В	3	012
E265	С	4	023
E273	D	6	034
E283	В	3	012
E283	D	6	034
5004	D	6	034

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin B11 and cable socket 3 pin B02 (-carriage 8LPI jumpered to -printer power on).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D5.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results). Do results = 0000?

YN	
	© Copyrigh
22 AB	

MAP DESCRIPTION:

This is the printer control switch and CE switch error MAP. This MAP finds the failing FRU or goes to the 3262 printer entry MAP.

START CONDITIONS:

System and printer power are on.

- Ensure that the type belt and the ribbon are installed and that forms are loaded in the printer.
- Check that the throat and belt covers are closed.

Jumper PN 5785274 required.

FRUs PARTIALLY TESTED: A-A2S2 Board wiring

System cables

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Control Switch MAP	A C MAP 5012-2		
5360 Systems Unit			
PAGE 2 OF 7			
02	008		
Continue to loop on test TE2D5.	- Press the ATTN key to stop the test loop.		
Do results = 4000 ?	- Remove the jumper.		
(N	- Install jumper between A-A2S2S09 a		
	A-A2V2B02 (-carriage 8LPI jumpered to -prin		
003	power on).		
- Remove the jumper.	- Loop on test TE2D5.		
- Press the ATTN key to stop the test loop.	Do results = 4000?		
- Select mode 6.	YN		
- Press the Power key (power off).			
- Remove the 3262 printer attachment card at	009		
A-A2S2.	Bad -carriage 8LPI net on I/O board A2 (FI		
- Press the Power key (power on).	Page PS200).		
- Probe the following:			
	010		
Up Light: Off	Bad card:		
Down Light: On	A-A2S2.		
A-A2S2S09 (-carriage 8LPI).	l 011		
Are the lights correct?	The -carriage 8LPI interface line is not at the expect		
Y N	level.		
	 Press the ATTN key to stop the test loop. 		
004	 Remove the jumper. 		
Bad card:	- Record the indicated error or symptorn for use in t		
A-A2S2.	3262 printer entry MAP.		
	- Select mode 6.		
005	 Press the Power key (power off). 		
Bad cable at location A-A2V2	 Reinstall any cables removed earlier. 		
or	- Reinstall any logic cards removed earlier.		
Bad -carriage 8LPI net on I/O board A2 (FLD Page	 Press the Power key (power on). Set the printer Unit Emergency switch to the Power set to		
PS200).			
	Enable position.		
- Droop the ATTN key to star the test last	- Select mode E.		
- Press the ATTN key to stop the test loop.	- Enter Frou. - Insert diskotte DIAG21		
- Install jumper between Δ_{-} A2V/2R11 and Δ_{-} A2V/2R02	- moent unskelle DIAGZT.		
(-carriage 8) PL jumpered to -printer power on)	- Select the TU Select option		
- Select ontion 1 (Execute test Display & Stop)	- Select the 3262 Printer option		
Do results = 4000 ?	- Select TE217 which loads the 3262 printer function		
Y N	microcode into the printer controller.		
007 Red cable at location $A = A 2 \lambda/2$	Go to the 2262 printer entry MAR 0010. Entry Boint		
	Go to the 3202 printer entry MAP 0010, Entry Point i		
	15Feb84 PN 2596070		
	15Feb84 PN 2596070		
	15Feb84 PN 2596070 EC 826487 PEC 826380		

Control Switch MAP

5360 Systems Unit

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012

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin B02 (G02 for 2 wide connectors/sockets) and cable socket 2 pin D06 (J06 for 2 wide connectors/sockets)) (+end of forms jumpered to +POR (power on reset)).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- select TE2DA.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results). Do results = 0000?

ΥN

ĎΕ

013

- Continue to loop on test TE2DA. **Do results = 4000**?

YN

014

- Remove the jumper.
- Press the ATTN key to stop the test loop.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

(Step 014 continues)

(Step 014 continued) A-A2S2S08 (+end of forms).

Are the lights correct?

```
ΥN
```

Ε

```
015
Bad card:
A-A2S2.
```

016

Bad cable at location A-A2V3 ---or---Bad +end of forms net on I/O board A2 (FLD Page PS200).

017

- Continue to loop on test TE2DA.
- Remove the jumper.
- Install jumper between A-A2V3B02 and D06 (+end of forms jumpered to +POR (power on reset)).
 Do results = 4000?

Y N

. ..

018

Bad cable at location A-A2V3.

019

- Continue to loop on test TE2DA.
- Remove the jumper.
- Install jumper between A-A2S2S08 and A-A2V3D06 (+end of forms jumpered to +POR (power on reset)).
 Do results = 4000?

```
ΥN
```

020

Bad +end of forms net on I/O board A2 (FLD Page PS200).

021

Bad card: A-A2S2.

15Feb84	PN 2596070	
EC 826487	PEC 826380	
	MAP 5012-3	
Control Switch MAP

5360 Systems Unit

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022

D 3

The +end of forms interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

023

(Entry Point C)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin B04 and (G04 for 2 wide connectors/sockets) and cable socket 1 pin B04
- (-throat closed jumpered to -data bit 2).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2DD.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

024

```
- Continue to loop on test TE2DD. Do results = 8400?
```

Y N

55 FG

025

- Remove the jumper.
- Press the ATTN key to stop the test loop.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

```
Up Light: Off
Down Light: On
```

(Step 025 continues)

•	
15Feb84	PN 2596070
EC 826487	PEC 826380
	MAP 5012-4

MAP 5012-4

G 4

Control Switch MAP

5360 Systems Unit

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(Step 025 continued) A-A2S2M03 (-throat closed).

Are the lights correct? Y N

11

026 Bad card: A-A2S2.

027

Bad cable at location A-A2V3

---or---

Bad -throat closed net on I/O board A2 (FLD Page PS200).

028

- Continue to loop on test TE2DD.
- Remove the jumper.

- Install jumper between A-A2V3B04 and A-A2V4B04 (-throat closed jumpered to -data bit 2).

Do results = 8400?

Ϋ́Ν

029

Bad cable at location A-A2V3.

030

- Continue to loop on test TE2DD.
- Remove the jumper.
- Install jumper between A-A2S2M03 and A-A2V4B04 (-throat closed jumpered to -data bit 2).

Do results = 8400?

Ϋ́Ν

031

Bad -throat closed net on I/O board A2 (FLD Page PS200).

032

Bad card: A-A2S2.

033

F 4

The -throat closed interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596070 EC 826487 PEC 826380 MAP 5012-5

Control Switch MAP

5360 Systems Unit

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034

(Entry Point D)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin B11 (G11 for 2 wide connectors/sockets) and cable socket 1 pin D09 (-CE switch on jumpered to -fire tier 1).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E4.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

Y N

035

- Continue to loop on test TE2E4. **Do results = 4000?**

ΥN

036

- 30
- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

```
Up Light: Off
Down Light: On
```

(Step 036 continues)

(Step 036 continued) A-A2S2B11 (-CE switch on). Are the lights correct?

/ N

J

```
037
Bad card:
A-A2S2.
```

038

Bad cable at location A-A2V3 ---or---Bad -CE switch on net on I/O board A2 (FLD Page PS200).

039

- Continue to loop on test TE2E4.
- Remove the jumper.
- Install jumper between A-A2V3B11 and A-A2V4D09 (-CE switch on jumpered to -fire tier 1).

Do results = 4000?

Y N

040

Bad cable at location A-A2V3.

041

- Continue to loop on test TE2E4.
- Remove the jumper.
- Install jumper between A-A2S2B11 and A-A2V4D09 (-CE switch on jumpered to -fire tier 1).

Do results = 4000?

ΥN

042

Bad -CE switch on net on I/O board A2 (FLD Page PS200).

043

Bad card: A-A2S2.

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EC 826487	PEC 826380
	MAP 5012-6

Control Switch MAP

5360 Systems Unit

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044

H 6

The -CE switch on interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

Printer Belt Go Error MAP

5360 Systems Unit

PAGE 1 OF 5

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP	ENTRY	PAGE	STEP
NUMBER	POINT	NUMBER	NUMBER
M259	A	1	001
M285	A	1	001

001

(Entry Point A)

- Probe the following:

Up Light: Off Down Light: Off

A-A2S2M02 (-belt go).

Are the lights correct?

Ν

002 - Probe the following: Up Light: On Down Light: Off A-A2S2M02 (-belt go). Are the lights correct? Y N

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4 4 2 A B C MAP DESCRIPTION: This is the printer -belt go error MAP.

This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that forms are loaded in the printer.

- Check that the throat and belt covers are closed. Jumper PN 5785274 required.

FRUs PARTIALLY TESTED: A-A2S2 Board wiring System cables

> 15Feb84 PN 2596071 EC 826487 PEC 826380 MAP 5014-1

Printer Belt Go Error MAP

5360 Systems Unit

PAGE 2 OF 5

003

С 1

- Run TU Select and loop on diagnostic test TE276.

- Probe the following:

Up Light: Off Down Light: Flashing

A-A2S2M02 (-belt go).

Are the lights correct?

ΥN

004

- Press the ATTN key to stop the test loop.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).

- Probe the following:

Up Light: On Down Light: Off

A-A2S2M02 (-belt go). Are the lights correct?

ΥN

005

- Probe the following:

Up Light: Off Down Light: On

A-A2S2M02 (-belt go). Are the lights correct? Y N

MAP 5014-2

Ö06

G

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Check continuity between printer cable socket 2 pin D12 (J12 for 2 wide connectors/sockets)

and A-A2S2M02 (-belt go).

Was continuity OK? Y N

007

Bad cable at location A-A2V3

---or---

Bad -belt go net on I/O board A2 (FLD Page PS200).

800

The -belt go interface line is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84	PN 2596071
EC 826487	MAP 5014-2

Printer Belt Go Error MAP

5360 Systems Unit

PAGE 3 OF 5

009

F 2

- Set the printer Unit Emergency switch to the Power Off position.
- Leave the system power on.
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2M02 (-belt go).

Are the lights correct?

ΥN

010

The -belt go interface line is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

l

011

Bad cable at location A-A2V3

---or---

Bad -belt go net on I/O board A2 (FLD Page PS200).

A B D E 1 1 2 2 **Printer Belt Go Error MAP** MAP 5014-4 5360 Systems Unit PAGE 4 OF 5 012 Bad card: A-A2S2. 013 - Press the ATTN key to stop the test loop. Go to Step 017, Entry Point B. 014 - Run TU Select and loop on diagnostic test TE276. Note: - Observe the probe for several seconds. - Probe the following: Up Light: On or flashing Down Light: On or flashing A-A2S2M02 (-belt go). Are the lights correct? ΥN 015 - Press the ATTN key to stop the test loop. Bad card: A-A2S2. 016 - Press the ATTN key to stop the test loop. Go to Step 017, Entry Point B. 017 (Entry Point B) - Set the printer Unit Emergency switch to the Power Off position. - Select mode 6. - Press the Power key (power off). - Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230). - Check continuity between printer cable socket 2 pin D12 (J12 for 2 wide connectors/sockets) and A-A2S2M02 (-belt go). Was continuity OK? Ν Y 15Feb84 PN 2596071 EC 826487 PEC 826380 J MAP 5014-4

MAP 5014-5

H J Printer Belt Go Error MAP

5360 Systems Unit

PAGE 5 OF 5

018

Bad cable at location A-A2V3 ---or---Bad -belt go net on I/O board A2 (FLD Page PS200).

019

- The -belt go interface line is not at the expected level.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596071 EC 826487 PEC 826380 MAP 5014-5

Belt Up To Speed and Ribbon Test MAP

5360 Systems Unit

PAGE 1 OF 6

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E281	A	1	001
E281	C	4	023
E283	В	3	012
E297	C	4	023

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin D13 (J13 for 2 wide connectors/sockets) and cable socket 1 pin D07 (-printer busy jumpered to -hammer sample).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- ~ Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D4.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

Υ	Ν
-	

002

2 2 2 A B C

Continue to loop on test TE2D4.
Do results = 4000?
Y N

MAP DESCRIPTION:

This is the printer belt up to speed, ribbon check and printer busy error test MAP.

This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that forms are loaded in the printer.
- Check that the throat and belt covers are closed. Jumper PN 5785274 required.

FRUs PARTIALLY TESTED: A-A2S2 Board wiring System cables

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15Feb84 PN 2596072 EC 826487 PEC 826380 MAP 5016-1

```
B C
1 1
                UTSPD-Rib Test MAP
                                                         A
1
                                                            D
                                                                                              MAP 5016-2
                5360 Systems Unit
                PAGE 2 OF 6
  003
                                                            008
  - Press the ATTN key to stop the test loop.
                                                            - Continue to loop on test TE2D4.
  - Remove the jumper.
                                                            - Remove the jumper.
  - Select mode 6.

    Install

                                                                      jumper
                                                                                between
                                                                                           A-A2S2P13
                                                                                                          and
  - Press the Power key (power off).
                                                             A-A2V4D07 (-printer busy jumpered to
  - Remove the 3262 printer attachment card at
                                                             -hammer sample).
    A-A2S2.
                                                            Do results = 4000?
  - Press the Power key (power on).
                                                            Y N
  - Probe the following:
                                                              009
     Up
            Light: Off
                                                               Bad -printer busy net on I/O board A2 (FLD
     Down Light: On
                                                               Page PS200).
    A-A2S2P13 (-printer busy).
                                                            010
  Are the lights correct?
                                                            Bad card:
   ΥN
                                                            A-A2S2.
     004
                                                         011
     Bad card:
                                                         The -printer busy interface line is not at the expected
     A-A2S2.
                                                         level.
                                                         - Press the ATTN key to stop the test loop.
  005
                                                         - Remove the jumper.
  Bad cable at location A-A2V3
                                                         - Record the indicated error or symptom for use in the
  ---or---
                                                          3262 printer entry MAP.
  Bad -printer busy net on I/O board A2 (FLD Page
                                                         - Select mode 6.
  PS200).
                                                         - Press the Power key (power off).
                                                         - Reinstall any cables removed earlier.
006
                                                         - Reinstall any logic cards removed earlier.
- Continue to loop on test TE2D4.
                                                         - Press the Power key (power on).
- Remove the jumper.
                                                         - Set the printer Unit Emergency switch to the Power
- Install jumper between A-A2V3D13 and A-A2V4D07
                                                          Enable position.
 (-printer busy jumpered to -hammer sample).
                                                         - Select mode E.
Do results = 4000?
                                                         - Enter FF00.
                                                         - Insert diskette DIAG21.
```

ΥN

007

Bad cable at location A-A2V2.

- Press the Load key. - Select the TU Select option.

- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84	PN 2596072
EC 826487	PEC 826380
	MAP 5016-2

UTSPD-Rib Test MAP

5360 Systems Unit

PAGE 3 OF 6

012

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin B09 (G09 for 2 wide connectors/sockets) and cable socket 1 pin B06 (-ribbon check jumpered to -data bit 4).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2DF.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

013

- Continue to loop on test TE2DF. Do results = 8400?

YN

ĖF

014

- Press the ATTN key to stop the test loop.

- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

(Step 014 continues)

(Step 014 continued) A-A2S2G08 (-ribbon check).

Are the lights correct?

ΥN

F

```
015
Bad card:
A-A2S2.
```

016

Bad cable at location A-A2V3

```
---or---
```

Bad -ribbon check net on I/O board A2 (FLD Page PS200).

017

- Continue to loop on test TE2DF.
- Remove the jumper.
- Install jumper between A-A2V3B09 and A-A2V4B06 (-ribbon check jumpered to -data bit 4).

Do results = 8400?

ΥN

018

Bad cable at location A-A2V3.

019

- Continue to loop on test TE2DF.
- Remove the jumper.
- Install jumper between A-A2S2G08 and A-A2V4B06 (-ribbon check jumpered to -data bit 4).

Do results = 8400?

ΥN

020

Bad -ribbon check net on I/O board A2 (FLD Page PS200).

021

Bad card: A-A2S2.

15Feb84	PN 2596072
EC 826487	PEC 826380
	MAP 5016-3

UTSPD-Rib Test MAP

5360 Systems Unit

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022

E 3

The -ribbon check interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Pcwer Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

023

(Entry Point C)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin B12 (G12 for 2 wide connectors/sockets) and cable socket 2 pin D09 (J09 for 2 wide connectors/sockets) (-belt up to speed jumpered to -close contactor).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D0.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000? Y N

 024

 - Continue to loop on test TE2D0.

 Do results = 4000?

 Y N

 I

 I

 I

 I

 I

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H J 4 4 **UTSPD-Rib Test MAP** ĢΚ MAP 5016-5 5360 Systems Unit PAGE 5 OF 6 **Ó25** 030 - Press the ATTN key to stop the test loop. - Continue to loop on test TE2D0. - Remove the jumper. - Remove the jumper. - Select mode 6. - Install jumper between A-A2S2J10 and - Press the Power key (power off). A-A2V3D09 - Remove the 3262 printer attachment card at (-belt up to speed jumpered to -close contactor). A-A2S2. Do results = 4000? - Press the Power key (power on). Y N - Probe the following: 031 Up Light: Off Bad -belt up to speed net on I/O board A2 (FLD Down Light: On Page PS200). A-A2S2J10 (-belt up to speed). 032 Are the lights correct? Bad card: ΥN A-A2S2. 026 033 Bad card: - Press the ATTN key to stop the test loop. A-A2S2. - Remove the jumper. - Select mode 6. 027 - Press the Power key (power off). Bad cable at location A-A2V3 ---or---- Check continuity between printer cable socket 2 pin Bad -belt up to speed net on I/O board A2 (FLD D12 (J12 for 2 wide connectors/sockets) and Page PS200). A-A2S2M02 (-belt go). Was continuity OK? 028 Y N - Continue to loop on test TE2D0. - Remove the jumper. 034 - Install jumper between A-A2V3B12 and A-A2V3D09 Bad cable at location A-A2V3 (-belt up to speed jumpered to -close contactor). ---or---Do results = 4000?Bad -belt go net on I/O board A2 (FLD Page Y N PS200). 029 Bad cable at location A-A2V3. 15Feb84 PN 2596072 EC 826487 PEC 826380 6 L Κ MAP 5016-5

UTSPD-Rib Test MAP

5360 Systems Unit

PAGE 6 OF 6

035

L 5

The -belt up to speed interface line is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

MAP 5016-6

15Feb84 PN 2596072 EC 826487 PEC 826380 MAP 5016-6

Printer Sense Test Error MAP

5360 Systems Unit

PAGE 1 OF 4

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP	ENTRY	PAGE	STEP
NUMBER	POINT	NUMBER	NUMBER
E281	A	1	001
E283	B	3	012

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 1 pin D04 and cable socket 1 pin B05 (-not print time jumpered to -data bit 3).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2DE.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

```
Do results = 0000?
```

Y N

```
002
  - Continue to loop on test TE2DE.
  Do results = 8400?
  Y N
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  2 2
B C
2
A
```

MAP DESCRIPTION:

This is the printer data parity check and power problem MAP. This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that forms are loaded in the printer.
- Check that the throat and belt covers are closed.
- Jumper PN 5785274 required.

FRUs PARTIALLY TESTED:

A-A2S2, T2, board wiring, system cables

B C 1 1 Prtr Sense Err MAP D A 1 MAP 5018-2 5360 Systems Unit PAGE 2 OF 4 **003 Ó08** - Press the ATTN key to stop the test loop. - Continue to loop on test TE2DE. - Remove the jumper. - Remove the jumper. - Select mode 6. - Install jumper between A-A2S2G12 and - Press the Power key (power off). A-A2V4B05 (-not print time jumpered to - Remove the 3262 printer attachment card at -data bit 3). A-A2S2. Do results = 8400?- Press the Power key (power on). Y N - Probe the following: 009 Light: Off Up Bad -not print time net on I/O board A2 (FLD Down Light: On Page PS200). A-A2S2G12 (-not print time). 010 Are the lights correct? Bad card: ΥN A-A2S2. 004 011 Bad card: The -not print time interface line is not at the expected A-A2S2. level. - Press the ATTN key to stop the test loop. 005 - Remove the jumper. Bad cable at location A-A2V4 - Record the indicated error or symptom for use in the ---or---3262 printer entry MAP. Bad -not print time net on I/O board A2 (FLD Page - Select mode 6. PS200). - Press the Power key (power off). - Reinstall any cables removed earlier. 006 - Reinstall any logic cards removed earlier. - Continue to loop on test TE2DE. - Press the Power key (power on). - Remove the jumper. - Set the printer Unit Emergency switch to the Power - Install jumper between A-A2V4D04 and B05 Enable position. (-not print time jumpered to -data bit 3). - Select mode E.

- Enter FF00.

Insert diskette DIAG21.
Press the Load key.

- Select the TU Select option.

- Select the 3262 Printer option.

microcode into the printer controller.

Do results = 8400?

ΥN

007

Bad cable at location A-A2V4.

15Feb84 PN 2596073

- Select TE217 which loads the 3262 printer functional

Go to the 3262 printer entry MAP 0010, Entry Point A.

EC 826487 PEC 826380

MAP 5018-2

D

Prtr Sense Err MAP

5360 Systems Unit

PAGE 3 OF 4

012

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 1 pin D05 and cable socket 1 pin B03 (-data parity check jumpered to -data bit 1).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2DC.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

013

- Continue to loop on test TE2DC. Do results = 8400?

ΥN

F

Ε

014

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2S07 (-data parity check). (Step 014 continues)

MAP 5018-3

(Step 014 continued) Are the lights correct? Y N 015

> Bad card: A-A2S2.

016

F

Bad cable at location A-A2V4

---or---

Bad -data parity check net on I/O board A2 (FLD Page PS200).

017

- Continue to loop on test TE2DC.
- Remove the jumper.
- Install jumper between A-A2V4D05 and B03 (-data parity check jumpered to -data bit 1).

Do results = 8400?

ΥN

018

Bad cable at location A-A2V4.

019

- Continue to loop on test TE2DC.
- Remove the jumper.
- Install jumper between A-A2S2S07 and A-A2V4B03 (-data parity check jumpered to -data bit 1).

Do results = 8400?

Y N

020

Bad -data parity check net on I/O board A2 (FLD Page PS200).

021

```
Bad card:
A-A2S2.
```

15Feb84 PN 2596073 EC 826487 PEC 826380 MAP 5018-3

Prtr Sense Err MAP

5360 Systems Unit

PAGE 4 OF 4

022

Е 3

The -data parity check interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

MAP 5018-4

15Feb84 PN 2596073 EC 826487 PEC 826380 MAP 5018-4

Printer Belt Timing Error MAP

5360 Systems Unit

PAGE 1 OF 5

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E279	A	1	001
E279	В	3	012
E279	C	4	023
E289	С	4	023
E297	A	1	001
E297	B	3	012
E297	C	4	023

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).

 Install jumper between printer cable socket 2 pin B03 (G03 for 2 wide connectors/sockets) and cable socket 3 pin D12 (-print subscans jumpered to -forms indicator).

- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D7.

The TU description should be displayed.

- Press the Enter key (system console).

- Select option 2 (loop on test displaying results). Do results = 0000?

Do results = 0000



MAP 5020-1

MAP DESCRIPTION:

This is the printer belt timing error MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the forms are loaded in the printer.
- Check that the throat is closed and the belt cover is fastened tightly.

Jumper PN 5785274 required.

FRUs PARTIALLY TESTED:

A-A2S2, system cables and board wiring

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15Feb84 PN 2596074 EC 826487 PEC 826380 MAP 5020-1

B Printer Belt Timing Error MAP	A C MAP 5020-2
5360 Systems Unit	
PAGE 2 OF 5	
002	
- Continue to loop on test TE2D7.	- Continue to loop on test TE2D7
Do results = 4000?	- Remove the jumper
Y N	- Install jumper between A-A2S2S10 and A-A2V2D12 (-print subscans jumpered to
003	-forms indicator).
 Press the ATTN key to stop the test loop. 	Do results = 4000?
- Remove the jumper.	YN
- Select mode 6.	
- Press the Power key (power off).	009
 Remove the 3262 printer attachment card at A-A2S2. 	Bad -print subscans net on I/O board A2 (FLD Page PS200).
- Press the Power key (power on).	
- Probe the following:	010
	Bad card:
Op Light: Off	A-A2S2.
Down Light: Un	
(A = A = 262) (A = a = a = b = a = a = b = a = a = b = a = a	
A-A252510 (-print subscans).	The -print subscans interface line is not at the
	expected level.
	- Press the ATTIN key to stop the test loop.
004	- Remove the jumper.
Bad card:	- Record the indicated error or symptom for use in the
Δ-Δ252	Szoz primer entry MAP.
	- Select mode 6.
005	- Press the Fower key (power on).
Bad cable at location A-A2V3	- Reinstall any logic cards removed earlier
	- Press the Power key (nower on)
Bad -print subscans net on I/O board A2 (FLD	- Set the printer Unit Emergency switch to the Power
Page PS200).	Enable position.
	- Select mode E.
006	- Enter FF00.
- Continue to loop on test TE2D7.	- Insert diskette DIAG21.
- Remove the jumper.	- Press the Load key.
- Install jumper between A-A2V3B03 and A-A2V2D12	 Select the TU Select option.
(-print subscans jumpered to	 Select the 3262 Printer option.
-torms indicator).	- Select TE217 which loads the 3262 printer functional
Uo results = 40007	microcode into the printer controller.
007	
Bad cable at location $\Lambda_{-}\Lambda_{-}\lambda_{-}\lambda_{-}\lambda_{-}\lambda_{-}\lambda_{-}\lambda_{-}\lambda_{-}\lambda$	GO TO THE 3262 printer entry MAP 0010, Entry Point A.

15Feb84	PN 2596074
EC 826487	PEC 826380
	MAP 5020-2

С

Printer Belt Timing Error MAP 5360 Systems Unit

PAGE 3 OF 5

012

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin B08 (G08 for 2 wide connectors/sockets) and cable socket 3 pin D09 (-impression control single shot jumpered to -check indicator).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D8.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

013 - Continue to loop on test TE2D8. Do results = 4000?

YN

014

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).

- Probe the following:

Up Light: Off Down Light: On

(Step 014 continues)

MAP 5020-3

(Step 014 continued) A-A2S2U06 (-impression control single shot). Are the lights correct?

YN

Ε

```
015
Bad card:
A-A2S2.
```

016

Bad cable at location A-A2V3

---or---

Bad -impression control single shot net on I/O board A2 (FLD Page PS200).

017

- Continue to loop on test TE2D8.
- Remove the jumper.
- Install jumper between A-A2V3B08 and A-A2V2D09 (-impression control single shot jumpered to -check indicator).

Do results = 4000?

ΥN

018

Bad cable at location A-A2V3.

. 019

- Continue to loop on test TE2D8.
- Remove the jumper.
- Install jumper between A-A2S2U06 and A-A2V2D09 (-impression control single shot jumpered to -check indicator).

Do results = 4000?

ΥN

020

Bad -impression control single shot net on I/O board A2 (FLD Page PS200).

021

Bad card:

A-A2S2.

	MAP 5020-3
EC 826487	PEC 826380
15Feb84	PN 2596074

Printer Belt Timing Error NAP

5360 Systems Unit

PAGE 4 OF 5

022

D 3

The -impression control single shot interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

023

(Entry Point C)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin D11 (J11 for 2 wide connectors/sockets) and cable socket 3 pin D13 (-home jumpered to -ready indicator).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D9.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

Y N

024

- Continue to loop on test TE2D9.

```
Do results = 4000?
```

YN

025

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

(Step 025 continues)

15Feb84	PN 2596074
EC 826487	PEC 826380
	MAP 5020-4

G 4

Printer Belt Timing Error MAP

5360 Systems Unit

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(Step 025 continued) A-A2S2U04 (-home). Are the lights correct?

Y N

026

Bad card: A-A2S2.

027

Bad cable at location A-A2V3

---or---

Bad -home net on I/O board A2 (FLD Page PS200).

028

- Continue to loop on test TE2D9.
- Remove the jumper.
- Install jumper between A-A2V3D11 and A-A2V2D13 (-home jumpered to -ready indicator).
- Do results = 4000?

ΥN

029

Bad cable at location A-A2V3.

030

- Continue to loop on test TE2D9.
- Remove the jumper.
- Install jumper between A-A2S2U04 and A-A2V2D13 (-home jumpered to -ready indicator).

Do results = 4000?

ΥN

031

Bad -home net on I/O board A2 (FLD Page PS200).

032

Bad card: A-A2S2.

033

F 4

The -home interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596074 EC 826487 PEC 826380 MAP 5020-5

MAP 5020-5

Printer Subscan Register Error MAP

5360 Systems Unit

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ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E279	Α	1	001
E279	В	3	014
E279	C	5	027
E279	D	6	040
E279	Е	8	053
E289	A	1	001
E289	В	3	014
E289	C	5	027
E289	D	6	040
E289	E	8	053

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 1 pin D09 and cable socket 2 pin B11 (G11 for 2 wide connectors/sockets) (-fire tier 1 jumpered to -CE switch on).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E4.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results). (Step 001 continues)

MAP DESCRIPTION: This is the fire tier (1-5) error MAP.

This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that the forms are loaded in the printer.
- Check that the throat and covers are closed. Jumper PN 5785274 required.

FRUs PARTIALLY TESTED:

A-A2S2, T2, board wiring and system cables

15Feb84 PN 2596075 EC 826487 PEC 826380 MAP 5022-1

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PSS Reg Error MAP

5360 Systems Unit

PAGE 2 OF 9

(Step 001 continued) **Do results = 0000?**

ΥN

002

- Continue to loop on test TE2E4. Do results = 4000?

ΥN

003

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment carcl at A-A2T2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2P07 (-fire tier 1). Are the lights correct? Y N

004 Bad card: A-A2T2.

005

A B C D

- Select mode 6.

- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2P07 (-fire tier 1). Are the lights correct?

Y N

MAP 5022-2

006 Bad card: A-A2S2.

007

BCD

Bad cable at location A-A2V4

Po

Bad -fire tier 1 net on I/O board A2 (FLD Page PT200).

008

- Continue to loop on test TE2E4.
- Remove the jumper.
- Install jumper between A-A2V4D09 and A-A2V3B11 (-fire tier 1 jumpered to -CE switch on).

Do results = 4000?

```
Y N
```

009

Bad cable at location A-A2V4.

010

- Continue to loop on test TE2E4.
- Remove the jumper.
- Install jumper between A-A2T2P07 and A-A2V3B11 (-fire tier 1 jumpered to -CE switch on).

Do results = 4000?

ΥN

011

Bad -fire tier 1 net on I/O board A2 (FLD Page PT200).

012

Bad card: A-A2T2.

> 15Feb84 PN 2596075 EC 826487 PEC 826380 MAP 5022-2

PSS Reg Error MAP

5360 Systems Unit

PAGE 3 OF 9

013

A 2

The -fire tier 1 interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

014

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 1 pin D10 and cable socket 3 pin B05 (-fire tier 2 jumpered to -Carriage Space key).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E5.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

015

- Continue to loop on test TE2E5.

```
Do results = 4000?
```

YN

016

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2T2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2P10 (-fire tier 2). (Step 016 continues)

15Feb84	PN 2596075
EC 826487	PEC 826380
	MAP 5022-3

F	PSS Reg Error MAP	Ę	G MAP 5022-4	
з -	5360 Systems Unit	3	1	
I	FAGE 4 OF 5			
I	(Step 016 continued)		 023	
I	Y N		- Continue to loop on test TE2E5.	
I		-	- Remove the jumper.	
I	017	-	 Install jumper between A-A2T2P10 and 	
ł	Bad card:		A-A2V2B05 (-fire tier 2 jumpered to	
I	A-A2T2.		-Carriage Space key).	
I			Do results = 4000?	
	018 Select mode 6		Y N	
	- Select mode b. - Pross the Power key (power off)		024	
	- Remove the 3262 printer attachment card at		Bad - fire tier 2 net on 1/0 board A2 (FLD Page	
	A-A2S2.			
1	- Press the Power key (power on).			
I	- Probe the following:		025	
		- I I	Bad card:	
I	Up Light: Off	1	A-A2T2.	
	Down Light: On	I		
		026	6	
	A-A212P10 (-fire tier 2).	I he	ie -fire tier 2 interface line is not at the expected	
	Are the lights correct?	Ieve	/el. Brass the ATTN key to stop the test loop	
		- F	Press the ATTIN Key to stop the test loop.	
1	019	- N	Record the indicated error or symptom for use in the	
l	Bad card:	32	3262 printer entry MAP.	
I	A-A2S2.	- S	Select mode 6.	
		- P	Press the Power key (power off).	
I	020	- R	Reinstall any cables removed earlier.	
	Bad cable at location A-A2V4	- R	Reinstall any logic cards removed earlier.	
	or	- P	Press the Power key (power on).	
١	Bad -fire tier 2 net on I/O board A2 (FLD Page	- S	Set the printer Unit Emergency switch to the Power	•
ľ	PT200).	E	nable position.	
1	21	- 5	Select mode E. Enter FEAA	
_	Continue to loop on test TE2E5	- 1	Insert diskette DIAG21	
_	Remove the jumper.	- P	Press the Load key.	
-	Install jumper between A-A2V4D10 and A-A2V2B05	- S	Select the TU Select option.	
	(-fire tier 2 jumpered to -Carriage Space key).	- S	Select the 3262 Printer option.	
C	Do results = 4000?	- 8	Select TE217 which loads the 3262 printer functional	l
Y	(N	m	nicrocode into the printer controller.	
	222			
	UZZ Red cable at leastion $A = A^{2}/A$	6.	a to the 2262 printer entry MAD 0010. Entry Deint A	
		GO	o to the 3262 primer entry MAP 0010, Entry Point A.	
			15Feb84 PN 2596075	
1			EC 826487 PEC 826380	

F 3

G

MAP 5022-4

PSS Reg Error MAP

5360 Systems Unit

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027

(Entry Point C)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 1 pin D11 and cable socket 3 pin D10 (-fire tier 3 jumpered to -Ready key).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E6.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

028

- Continue to loop on test TE2E6. **Do results = 4000**?

ΥN

029

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2T2.
- Press the Power key (power on).
- Probe the following:

```
Up Light: Off
Down Light: On
```

A-A2T2P12 (-fire tier 3). (Step 029 continues) (Step 029 continued) Are the lights correct? Y N

```
030
Bad card:
A-A2T2.
```

031

J

- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2P12 (-fire tier 3). Are the lights correct?

ΥN

032 Bad card: A-A2S2.

033

Bad cable at location A-A2V4 ---or---Bad -fire tier 3 net on I/O board A2 (FLD Page PT200).

034

- Continue to loop on test TE2E6.
- Remove the jumper.
- Install jumper between A-A2V4D11 and A-A2V2D10 (-fire tier 3 jumpered to -Ready key).

Do results = 4000?

ΥN

035

Bad cable at location A-A2V4.

15Feb84 PN 2596075 EC 826487 PEC 826380 MAP 5022-5

Η̈́J

PSS Reg Error MAP

5360 Systems Unit

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036

H K 5 5

```
- Continue to loop on test TE2E6.
```

- Remove the jumper.
 Install jumper between
- Install jumper between A-A2T2P12 A-A2V2D10 (-fire tier 3 jumpered to
- -Ready key).

Do results = 4000?

```
ΥN
```

```
1
```

037

Bad -fire tier 3 net on I/O board A2 (FLD Fage PT200).

038

Bad card: A-A2T2.

039

The -fire tier 3 interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

040

and

(Entry Point D)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 1 pin D12 and cable socket 3 pin B12 (-fire tier 4 jumpered to -Stop/Reset key).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E7.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

041

- Continue to loop on test TE2E7.

```
Do results = 4000?
```

```
ΥN
```

```
042
```

```
- Press the ATTN key to stop the test loop.
```

```
- Remove the jumper.
```

- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2T2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2P09 (-fire tier 4). (Step 042 continues)

15Feb84	PN 2596075
EC 826487	PEC 826380
	MAP 5022-6

M 6

PSS	Reg	Error	MAP
-----	-----	-------	-----

5360 Systems Unit

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(Step 042 continued) Are the lights correct?

ΥN

043 Bad card: A-A2T2.

044

- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2P09 (-fire tier 4). Are the lights correct?

ΥN

045 Bad card: A-A2S2.

046

Bad cable at location A-A2V4

---or---Bad -fire tier 4 net on I/O board A2 (FLD Page PT200).

047

- Continue to loop on test TE2E7.

- Remove the jumper.

- Install jumper between A-A2V4D12 and A-A2V2B12 (-fire tier 4 jumpered to -Stop/Reset key).

Do results = 4000?

ΥN

048

Bad cable at location A-A2V4.

| 049

L N 6 ,

- Continue to loop on test TE2E7.
- Remove the jumper.
- Install jumper between A-A2T2P09 and A-A2V2B12 (-fire tier 4 jumpered to -Stop/Reset key).

MAP 5022-7

Do results = 4000?

Y N

050

Bad -fire tier 4 net on I/O board A2 (FLD Page PT200).

051

Bad card: A-A2T2.

052

The -fire tier 4 interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

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EC 826487	PEC 826380
	MAP 5022-7

PSS Reg Error MAP

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053

(Entry Point E) - Set the printer Unit Emergency switch to the Power Off position.

- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 1 pin D13 and cable socket 3 pin B06 (-fire tier 5 jumpered to -Carriage Restore key).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E8.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

ΥN

054

- Continue to loop on test TE2E8. Do results = 4000?

ΥN

055

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2T2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2P11 (-fire tier 5). (Step 055 continues) (Step 055 continued) Are the lights correct? Y N 056 Bad card:

A-A2T2.

057

Q

- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.

MAP 5022-8

- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2T2P11 (-fire tier 5). Are the lights correct?

- Y N
 - 058 Bad card: A-A2S2.

059

Bad cable at location A-A2V4 ---or---Bad -fire tier 5 net on I/O board A2 (FLD Page PT200).

060

- Continue to loop on test TE2E8.
- Remove the jumper.
- Install jumper between A-A2V4D13 and A-A2V2B06 (-fire tier 5 jumpered to -Carriage Restore key).

Do results = 4000?

ΥN

Ř

061

Bad cable at location A-A2V4.

	MAP 5022-8
EC 826487	PEC 826380
15Feb84	PN 2596075

ΡQ

MAP 5022-9

P R PSS Reg Error MAP 8 8 5360 Systems Unit

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062

```
Continue to loop on test TE2E8.
Remove the jumper.
Install jumper between A-A2T2P11 and A-A2V2B06 - fire tier 5 jumpered to -Carriage Restore key).
Do results = 4000?
Y N
063

Bad - fire tier 5 net on I/O board A2 (FLD Page PT200).

064

Bad card:
```

```
A-A2T2.
```

065

The -fire tier 5 interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596075 EC 826487 PEC 826380 MAP 5022-9

Printer Carriage Emitter MAP

5360 Systems Unit

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ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E259	Α	1	001
E261	A	1	001
E271	В	3	012
E277	В	3	012
E285	В	3	012
E295	В	3	012

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin B07 (G07 for 2 wide connectors/sockets) and cable socket 1 pin D06 (-carriage advance jumpered to -strobe).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2EA.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results). Do results = 0000?

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Y	Ν	
1		
	ł	
I.		

MAP DESCRIPTION:

This is the printer carriage advance test MAP. This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that forms are loaded in the printer.
- Check that the throat and beltcovers are closed. Jumper PN 5785274 required.

FRUs PARTIALLY TESTED:

A-A2S2 **Board wiring** I/O cables Printer cable

> 15Feb84 PN 2596076 EC 826487

PEC 826380 MAP 5024-1

MAP 5024-1

2 2 A B

A C 1 . **Carriage Emtr MAP** MAP 5024-2 5360 Systems Unit PAGE 2 OF 6 **Ö**02 **008** - Continue to loop on test TE2EA. - Continue to loop on test TE2EA. Do results = 4000? - Remove the jumper. Y N - Install jumper between A-A2S2G10 and A-A2V4D06 (-carriage advance jumpered to 003 -strobe). - Press the ATTN key to stop the test loop. Do results = 4000?Y N - Remove the jumper. - Select mode 6. - Press the Power key (power off). 009 Bad -carriage advance net on I/O board A2 (FLD - Remove the 3262 printer attachment card at A-A2S2. Page PS200). - Press the Power key (power on). - Probe the following: 010 Bad card: Light: Off Up A-A2S2. Down Light: On 011 A-A2S2G10 (-carriage advance). The -carriage advance interface line is not at the Are the lights correct? expected level. Y N - Press the ATTN key to stop the test loop. - Remove the jumper. 004 - Record the indicated error or symptom for use in the Bad card: 3262 printer entry MAP. A-A2S2. - Select mode 6. - Press the Power key (power off). 005 - Reinstall any cables removed earlier. Bad cable at location A-A2V3 - Reinstall any logic cards removed earlier. ---or---- Press the Power key (power on). Bad -carriage advance net on I/O board A2 (FLD - Set the printer Unit Emergency switch to the Power Page PS200). Enable position. - Select mode E. - Enter FF00. 006 - Insert diskette DIAG21. - Continue to loop on test TE2EA. - Remove the jumper. - Press the Load key. - Install jumper between A-A2V3B07 and A-A2V4D06 - Select the TU Select option. - Select the 3262 Printer option. (-carriage advance jumpered to -strobe). Do results = 4000? - Select TE217 which loads the 3262 printer functional Y N microcode into the printer controller. 007 Bad cable at location A-A2V3. Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84	PN 2596076
EC 826487	PEC 826380
	MAP 5024-2

С

B 1

Carriage Emtr MAP 5360 Systems Unit

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012

(Entry Point B) - Probe the following:

Light: Off Up Down Light: Off

A-A2S2U13 (-carriage go). Are the lights correct?

Y N

013

- Probe the following:

Up Light: On Down Light: Off

A-A2S2U13 (-carriage go). Are the lights correct?

Y N

014

- Run TU Select and loop on diagnostic test TE278.

- Probe the following:

Up Light: Off Down Light: Flashing

A-A2S2U13 (-carriage go). Are the lights correct? N

G

```
MAP 5024-3
```

015

- Press the ATTN key to stop the test loop.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Light: On Up Down Light: Off

A-A2S2U13 (-carriage go). Are the lights correct? ΥN

016 - Probe the following:

Up Light: Off Down Light: On

A-A2S2U13 (-carriage go). Are the lights correct? Y N

017

- Set the printer Unit Emergency switch to the Power Off position. - Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Check continuity between printer cable socket 2 pin

```
D04 (J04 for 2 wide connectors/sockets) and
A-A2S2U13 (-carriage go).
```

Was continuity OK?



MAP 5024-3

554' DEFG
JKL	Carriage Emtr MAP	ΕH		MAP 5024-4
3 3 3	5360 Systems Unit	33		
111				
J K L 3 3 3 01 01 01 01 01 01 01 01 01 01	Carriage Emtr MAP 5360 Systems Unit PAGE 4 OF 6 8 ad cable at location A-A2V3 -or ad -carriage go net on I/O board A2 (FLD Page 5200). -carriage go interface line is not at the expected cord the indicated error or symptom for use in 3262 printer entry MAP. ect mode 6. is the Power key (power off). install any cables removed earlier. install any cables removed earlier. istall any logic cards removed earlier. istall earlier. istall any logic cards removed earlier. istall ear	F H 3	 (Step 020 continued) Are the lights correct? Y N 021 The -carriage go interface expected level. Record the indicated error use in the 3262 printer ent Select mode 6. Press the Power key (pow Reinstall any cables removies Reinstall any logic cards reference Power Enable position. Select mode E. Enter FF00. Insert diskette DIAG21. Press the Load key. Select the 3262 Printer op Select TE217 which load functional microcode in controller. 	MAP 5024-4 line is not at the or or symptom for ry MAP. rer off). ved earlier. emoved earlier. rer on). gency switch to the on. tion. s the 3262 printer nto the printer
А.			UZZ Bad cable at location A=A2V3	
020				
- Set th Off po	ne printer Unit Emergency switch to the Power sition.		Bad -carriage go net on I/O b PS200).	oard A2 (FLD Page
- Disco	nnect printer cables 1, 2 and 3 (blue) at the	02	3	
cable t	tower (50-230).	Ba	d card:	
- Probe	the following:	A-	A2S2.	
Up Dowr A-A2S	Light: Off n Light: On 62U13 (-carriage go).	l 024 - Pres Go to	ss the ATTN key to stop the te Page 5, Step 032, Entry Poir	st loop. nt C.
(Step 02	20 continuês)			
			15Feb84	PN 2596076

EC 826487 PEC 826380

MAP 5024-4

E Carriage Emtr MAP	D M N MAP 5024-
5360 Systems Unit	
PAGE 5 OF 6	
025	
- Run TU Select and loop on diagnostic test TE278.	The -carriage go interface line is not at
- Probe the following:	expected level.
Up Light: On or flashing	in the 3262 printer entry MAP
Down Light: On or flashing	- Select mode 6.
$\Delta = \Delta 2S21113$ (- carriage go)	- Press the Power key (power off).
Are the lights correct?	- Reinstall any caples removed earlier.
Y N	- Reinstall any logic cards removed earlier.
1	- Fless the Power key (power on).
026	Power Enable position
- Press the ATTN key to stop the test loop	- Select mode F
	- Enter FEOO
Bad card:	- Insert diskette DIAG21
A-A2S2.	- Press the Load key
1	- Select the TU Select option.
027	- Select the 3262 Printer option.
- Press the ATTN key to stop the test loop.	- Select TE217 which loads the 3262 pr functional microcode into the printer control
- Set the printer Unit Emergency switch to the Power	
Off position.	
- Select mode 6.	Go to the 3262 printer entry MAP 0010, E
 Press the Power key (power off). 	Point A.
- Disconnect printer cables 1, 2 and 3 (blue) at the	
cable tower (50-230).	031
- Check continuity between printer cable socket 2 pin	Go to Page 1, Step 001, Entry Point A.
DU4 (JU4 for 2 wide connectors/sockets) and	
A-A2S2U13 (-carriage go).	032
vvas continuity OK?	(Entry Point C)
Y N I	- Set the printer Unit Emergency switch to the Pe
020	Off position.
Pad apple at leasting A ADV/2	- Select mode 6.
	- rress the Power key (power off).
Bad -carriage go net on L/O board A2 (ELD Page	- Disconnect printer cables 1, 2 and 3 (blue) at cable tower (50-220)
PS200).	- Check continuity between printer cable cocket 2
	D04 (104 for 2 wide connectors (sockets) and
029	A-A2S2U13 (-carriage go)
Was a Carriage Check 4 indicated?	Was continuity OK?
Ý Ņ	YN
	15Eab84 DN 2506076
1	EC 826487 PEC 826380
M N	

P 0 Carriage Emtr MAP 5 5

5360 Systems Unit

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033

Bad cable at location A-A2V3

---or---

Bad -carriage go net on I/O board A2 (FLD Page PS200).

034

The -carriage go interface line is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596076 EC 826487 PEC 826380 MAP 5024-6

Print Data Wrap Error MAP

5360 Systems Unit

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ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E261	А	1	001
E261	В	3	008
E261	D	6	024
E273	С	4	013
E277	A	1	001
E277	В	3	008
E277	l c	4	013

001

(Entry Point A)

- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2T2.
- Add a jumper between A-A2T2J08 (ground) and

A-A2V2B02 (-printer power on).

- Press the Power key (power on).

If a Data Parity Check has been indicated or if the -Data parity check interface line is not at the expected level, we still want to analyze the Data bit 0-7,Parity bit, Strobe and Data Parity Check lines to ensure that they are not causing the problem.

- Probe the following:

Up Light: On Down Light: Off

A-A2T2M13 (-parity bit). Are the lights correct?



MAP DESCRIPTION:

This is the data bit (0-7) and parity bit wrap error MAP. This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that forms are loaded in the printer.
- Check that the throat and beltcovers are closed.

FRUs PARTIALLY TESTED:

A-A2S2, A-A2T2, Board wiring, System cables

15Feb84 PN 2596077 EC 826487 PEC 826380 MAP 5026-1

B 1	Print Data Error MAP	A (1) MAP 5026-2
002 - Sel - Pre - Rer - Pre - Pro	PAGE 2 OF 6 ect mode 6. ss the Power key (power off). move the 3262 printer attachment card at A-A2S2. ss the Power key (power on). be the following:			 (Step 004 continued) Select the TU Select option. Select the 3262 Printer option. Select TE217 which loads the 3262 printer functional microcode into the printer controller.
Up Do	o Light: On own Light: Off			Go to the 3262 printer entry MAP 0010, Entry Point A.
A-A	A2S2M10 (-parity bit).)05
Are 1	the lights correct?		-	- Remove all jumpers installed earlier.
ΥN			E	3ad cable at location A-A2V4
			-	or
00	3		E	3ad -parity bit net on I/O board A2 (FLD Page
1 - 2	Set the printer Unit Emergency switch to the		P	יד200).
_'	leave the system power on			
	Disconnect printer cables 1, 2 and 3 (blue) at the		- R	emove all jumpers installed earlier
	able tower (50-230).		Bad	l card.
-	Probe the following:		Δ-A	42S2.
	Ū			
	Up Light: Off	007	,	
	Down Light: On	- R	em	ove all jumpers installed earlier.
		Bac	d ca	ırd:
	A-A212M13 (-parity bit).	A-/	42T	-2.
	N			
II				
	004			
	The -parity bit interface line is not at the			
	expected level.			
	 Remove all jumpers installed earlier. 			
	- Record the indicated error or symptom for use			
	in the 3262 printer entry MAP.			
	- Reinstall any caples removed earlier.			
	- Press the Power key (nower on)			
	- Set the printer Unit Emergency switch to the			
	Power Enable position.			
	- Select mode E.			
	- Enter FF00.			
	- Insert diskette DIAG21.			
	- Press the Load key.			
	(Step UU4 continues)			
				15Feb84 PN 2596077
				EC 826487 PEC 826380

MAP 5026-2

Print Data Error MAP

5360 Systems Unit

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008

- (Entry Point B)
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2T2.
- Add a jumper between A-A2T2J08 (ground) and A-A2V2B02 (-printer power on).
- Press the Power key (power on).
- Probe the following:

```
Up Light: On
Down Light: Off
```

```
A-A2T2M04
            (-data bit 0)
      M05
            (-data bit 1)
            (-data bit 2)
      M06
      M07
            (-data bit 3)
      M08
           (-data bit 4)
      M09
           (-data bit 5)
      M10
            (-data bit 6)
      M12
            (-data bit 7).
```

Are the lights correct for all of the above?

ΥN

009

- Set the printer Unit Emergency switch to the Power Off position.
- Leave the system power on.
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Probe the following:

```
Up
     Light: Off
Down Light: Off
A-A2T2M04
           (-data bit 0)
      M05
            (-data bit 1)
      M06
            (-data bit 2)
      M07
            (-data bit 3)
      M08
            (-data bit 4)
      M09
            (-data bit 5)
      M10
            (-data bit 6)
      M12
           (-data bit 7).
```

(Step 009 continues)

(Step 009 continued) Are the lights correct for all of the above? Y N

010

Е

- Remove all jumpers installed earlier. Bad cable at location A-A2V4

Bad net on I/O board for one or more of the lines 'Data bits 0-7' (FLD Page PT200).

011

- Remove all jumpers installed earlier.

One or more of the interface lines 'Data bits 0-7', is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

012

Remove all jumpers installed earlier.
 Bad card:
 A-A2T2.

MAP 5026-3

Print Data Error MAP

5360 Systems Unit

PAGE 4 OF 6

013

(Entry Point C)

- Probe the following:

Up Light: Off Down Light: On

A-A2T2M03 (-strobe).

Are the lights correct?

ΥN

014

- The -strobe interface line is not at the expected level.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

MAP 5026-4

015

F

- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2T2.
- Add a jumper between A-A2T2J08 (ground) and A-A2V2B02 (-printer power on).
- Press the Power key (power on).
- Probe the following:

Up Light: On Down Light: Off

A-A2T2M03 (-strobe). Are the lights correct? Y N

016

- Probe the following:

Up Light: Off Down Light: On

A-A2S2J13 (-strobe). Are the lights correct? Y N

017

- Remove all jumpers installed earlier.

The -strobe interface line is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.

- Select TE217 which loads the 3262 printer (Step 017 continues)

15Feb84	PN 2596077
EC 826487	PEC 826380
	MAP 5026-4

F

55 GH

H 4 Print Data Error MAP JKL Ģ MAP 5026-5 5360 Systems Unit PAGE 5 OF 6 (Step 017 continued) functional microcode into the printer controller. **020** - Remove all jumpers installed earlier. The -strobe interface line is not at the Go to the 3262 printer entry MAP 0010, Entry Point expected level. Α. - Record the indicated error or symptom for use in the 3262 printer entry MAP. 018 - Reinstall any cables removed earlier. - Select mode 6. - Reinstall any logic cards removed earlier. - Press the Power key (power off). - Press the Power key (power on). - Remove the 3262 printer attachment card at A-A2S2. - Set the printer Unit Emergency switch to the - Press the Power key (power on). Power Enable position. - Probe the following: - Select mode E. - Enter FF00. Up Light: On - Insert diskette DIAG21. Down Light: Off - Press the Load key. - Select the TU Select option. A-A2S2J13 (-strobe). - Select the 3262 Printer option. Are the lights correct? - Select TE217 which loads the 3262 printer Ν functional microcode into the printer controller. 019 - Set the printer Unit Emergency switch to the Power Off position. Go to the 3262 printer entry MAP 0010, Entry - Leave the system power on. Point A. - Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230). 021 - Probe the following: - Remove all jumpers installed earlier. Bad cable at location A-A2V4 Up Light: Off ---or---Down Light: On Bad -strobe net on I/O board A2 (FLD Page PT200). A-A2T2M03 (-strobe). Are the lights correct? 022 ΥN - Remove all jumpers installed earlier. Bad card: A-A2S2. 023 - Remove all jumpers installed earlier. Bad card: A-A2T2. 15Feb84 PN 2596077 EC 826487 PEC 826380 JKL MAP 5026-5

Print Data Error MAP	M N P MAP 5026-6
5360 Systems Unit	1 1
PAGE 6 OF 6	
PAGE 6 OF 6 024 (Entry Point D) - Probe the following: Up Light: Off Down Light: Off A-A2S2S07(-data parity check). Are the lights correct? Y N 025 - Set the printer Unit Emergency switch to the Power Off position. - Select mode 6. - Press the Power key (power off). - Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230). - Check continuity between the following points: Cable socket 1 A-A2T2 Net name 	 026 Remove all jumpers installed earlier. Bad cable at location A-A2V4 or Bad net on I/O board A2 for -strobe, -data parity check or one or more of the lines Data bit 0-7, Parity bit (FLD Page PT200). 027 Remove all jumpers installed earlier. One or more of the following interface lines is not at the expected level: strobe data parity check Data bit 0-7, Parity bit Record the indicated error or symptom for use in the 3262 printer entry MAP. Reinstall any cables removed earlier. Press the Power key (power on). Set the printer Unit Emergency switch to the Power Enable position. Select mode E. Enter FF00. Insert diskette DIAG21. Press the Load key. Select the TU Select option. Select TE217 which loads the 3262 printer functional microcode into the printer controller.
socket 1 A-A2S2 Net name	Bad card:
D05 and S07 -data parity check Was continuity OK? Y N	A-A2S2.
	15Feb84 PN 2596077 EC 826487 PEC 826380

MNP

ţ

MAP 5026-6

Forms Jam Test MAP

5360 Systems Unit

PAGE 1 OF 4

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP	ENTRY	PAGE	STEP
NUMBER	POINT	NUMBER	NUMBER
E259	A	1	001
E285	B		014

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin B06 (G06 for 2 wide connectors/sockets) and cable socket 1 pin B07 (-Forms pulse jumpered to -data bit 5).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E0.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0800?



MAP DESCRIPTION:

This is the printer forms jam test MAP. This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that the forms are loaded in the printer.
- Check that the throat and belt covers are closed. Jumper PN 5785274 required.

FRUs PARTIALLY TESTED: A-A2S2 **Board wiring**

System cables

15Feb84 PN 2596078 EC 826487 PEC 826380 MAP 5028-1 B 1

Forms Jam Test MAP

5360 Systems Unit

PAGE 2 OF 4

002

- Press the ATTN key to stop the test loop.

- Probe the following:

Up Light: On Down Light: Off

A-A2S2P07 (-Active Paper Clamp). Are the lights correct?

ΥN

003

The -Activate Paper Clamp interface line is not at the expected level.

Go to Page 3, Step 014, Entry Point B.

004

- Continue to loop on test TE2E0. **Do results = 8400?**

ΥN

005

The -Forms pulse interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

(Step 005 continues)

MAP 5028-2

(Step 005 continued)

Go to the 3262 printer entry MAP 0010, Entry Point A.

006

С

- Continue to loop on test TE2E0.
- Remove the jumper.
- Install jumper between A-A2V3B06 and A-A2V4B07 (-Forms pulse jumpered to -data bit 5).

Do results = 8400?

ΥN

007

Bad cable at location A-A2V3.

800

- Continue to loop on test TE2EO.
- Remove the jumper.
- Install jumper between A-A2S2M04 and A-A2V4B07(
 Forms pulse jumpered to -data bit 5).

Do results = 8400?

ΥN

009

Bad -Forms pulse net on I/O board A2 (FLD Page PS200).

010

Bad card:

A-A2S2.

С

Forms Jam Test MAP

5360 Systems Unit

PAGE 3 OF 4

011

A 1

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2M04 (-Forms pulse).

Are the lights correct?

N

012 Bad card: A-A2S2.

013

Bad cable at location A-A2V3

---or---

Bad -Forms pulse net on I/O board A2 (FLD Page PS200).

014

- (Entry Point B)
- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin D07 (J07 for 2 wide connectors/sockets) and cable socket 1 pin B12 (-activate paper clamp jumpered to -hammer echo return).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D1.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

```
ΥN
```

015

```
- Continue to loop on test TE2D1.
```

Do results = 4000?

ΥN

4 4 D E

016

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

(Step 016 continues)

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EC 826487	PEC 826380
	MAP 5028-3

E 3

Forms Jam Test MAP

5360 Systems Unit

PAGE 4 OF 4

(Step 016 continued) A-A2S2P07 (-activate paper clamp).

Are the lights correct?

ΥN

017 Bad card: A-A2S2.

018

Bad cable at location A-A2V3

---or---

Bad -activate paper clamp net on I/O board A2 (FLD Page PS200).

019

- Continue to loop on test TE2D1.
- Remove the jumper.
- Install jumper between A-A2V3D07 and A-A2V4B12 (-activate paper clamp jumpered to -hammer echo return).

Do results = 4000?

Ϋ́Ν

020

Bad cable at location A-A2V3.

021

- Continue to loop on test TE2D1.
- Remove the jumper.
- Install jumper between A-A2S2P07 and A-A2V4B12 (-activate paper clamp) jumpered to -hammer echo return).

Do results = 4000?

ΥN

022

Bad -activate paper clamp net on I/O board A2 (FLD Page PS200).

023

Bad card: A-A2S2.

Ö24

D 3

The -activate paper clamp interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596078 EC 826487 PEC 826380 MAP 5028-4

MAP 5028-4

Hammer Echo Return Test MAP

5360 Systems Unit

PAGE 1 OF 3

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP	ENTRY	PAGE	STEP
NUMBER	POINT	NUMBER	NUMBER
E269	A	1	001
E281	A	1	001
E283	A	1	001

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 1 pin B12 and cable socket 2 pin D07 (J07 for 2 wide connectors/sockets) (-hammer echo return jumpered to -activate paper clamp).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D1.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

```
Do results = 0000?
```

YN

```
      002

      - Continue to loop on test TE2D1.

      Do results = 4000?

      Y N

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      2 2 2 2

      A B C
```

MAP DESCRIPTION:

This is the printer hammer echo return test MAP. This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that type belt and the ribbon are installed and that the forms are loaded in the printer.
- Check that the throat and belt covers are closed. Jumper PN 5785274 required.

FRUs PARTIALLY TESTED:

A-A2S2 Board wiring System cables

> 15Feb84 PN 2596079 EC 826487 PEC 826380 MAP 5030-1

B	C Hammer Echo Return	ĄD						МАР	5030-	2
1	5360 Systems Unit									
	PAGE 2 OF 3									
	 O03 Press the ATTN key to stop the test loop. Remove the jumper. Select mode 6. Press the Power key (power off). Remove the 3262 printer attachment card at A-A2S2. Press the Power key (power on). Probe the following: Up Light: Off 	008 - C - F - II A tc Do Y	ontin emov istall -A2V -act resu V 009 Bad	iue to ye th ju /3D0 tivate I ts = -han	o lo le ju ump 7 (- e pa = 40	op on te mper. er be hamme per clar 007	est TE2D1. etween A r echo retu np). return pet	λ−A2S: rn jum	2S04 pered	and
	Down Light: On		FLD	Page	e PS	5200).		011 17 0		
	A-A2S2S04 (-hammer echo return). Are the lights correct? Y N	010 Bac A-,	l carc \2S2	d: 						
	004 Bad card: A-A2S2.	I 011 - Pres - Rem - Sele	s the love t ct mi	AT the j	FN ump 6.	key to s ber.	top the tes	t loop.		
	005 Bad cable at location A-A2V4 or	- Pres - Che	s the ck co	Pov Potinu	ver Jity	key (pov betwee	wer off). n the follov	ving po	oints:	
	Bad -hammer echo return net on I/O board A2 (FLD Page PS200).	Cal so	ole sket	: 1	A-	-A2S2	net na	me		
00 - (- ((6 Continue to loop on test TE2D1. Remove the jumper. Install jumper between A-A2V4B12 and A-A2V3D07 -hammer echo return jumpered to -activate paper lamp).	D D D D Was d)9 0 1 2 3 :onti	an an an an nuity	id id id id id	U07 U10 U12 U09 U11 K7	-fire -fire -fire -fire -fire	tier tier tier tier tier	1 2 3 4 5.	
Do	o results = 4000?	ΥN								
Y	N 007 Bad cable at location A-A2V4.	012 Bac Bac inte	l cab or I net rface	le at - on e line	loc: I/O s Fi	ation A- board re tier 1	-A2V4 A2 for on -5 (FLD Pa	e or m age PS	ore of 200).	the
						15	Feb84	PN 2	596079)
D		3 E				EL	> 0∠0 4 67	MAP	5030-	2

Hammer Echo Return

5360 Systems Unit

PAGE 3 OF 3

013

E 2

The -hammer echo return interface line is not at the expected level.

Note: This problem may be serviced as an any hammer on check in the 3262 printer MAPs.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

Printer Reset Test MAP

5360 Systems Unit

PAGE 1 OF 4

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E277	A	1	001
E277 E287	A	3 1	012
E287	B	3	012

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).

 Install jumper between printer cable socket 2 pin D06 (J06 for 2 wide connectors/sockets) and cable socket 2 pin B02 (G02 for 2 wide connectors/sockets) (+POR (power on reset) jumpered to +end of forms).

- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2DA.

The TU description should be displayed.

- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

Y N Copyright IBM Corp. 1983 2 2 A B

MAP DESCRIPTION:

This is the printer reset test MAP. This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that forms are loaded in the printer.
- Check that the throat and belt covers are closed.
- Jumper PN 5785274 required.

FRUs PARTIALLY TESTED: A-A2S2 Board wiring I/O cables Printer cable

MAP 5032-1

15Feb84 PN 2596080 EC 826487 PEC 826380 MAP 5032-1

B Printer Reset Test	A C MAP 5032-2
5360 Systems Unit	
PAGE 2 OF 4	
- Continue to loop on test TE2DA	- Continue to loop on test TE2DA
= 20001 (a) = 20002	- Bemove the jumper
Y N	- Install jumper between A-A2S2G13 and
	A-A2V3B02 (+POR (power on reset) jumpered to
003	+end of forms).
- Press the ATTN key to stop the test loop.	Do results = 4000?
- Remove the jumper.	YN
- Select mode 6.	
 Press the Power key (power off). 	009
- Remove the 3262 printer attachment card at	Bad +POR (power on reset) net on I/O board A2
A-A2S2.	(FLD Page PS200).
- Press the Power key (power on).	
- Probe the following:	UTU Red cord:
Up light, Off	
Down Light: On	A-A232.
Down Light. On	I 011
A-A2S2G13 (+POB (power on reset))	The +POB (power on reset) interface line is not at the
Are the lights correct?	expected level.
YN	- Press the ATTN key to stop the test loop.
	- Remove the jumper.
004	- Record the indicated error or symptom for use in the
Bad card:	3262 printer entry MAP.
A-A2S2.	- Select mode 6.
	 Press the Power key (power off).
005	 Reinstall any cables removed earlier.
Bad cable at location A-A2V3	 Reinstall any logic cards removed earlier.
or	- Press the Power key (power on).
Bad +POR (power on reset) net on I/O board A2	- Set the printer Unit Emergency switch to the Power
(FLD Page PS200).	Enable position.
1 006	- Select mode E.
- Continue to loop on test TE2DA	- Enter FF00. - Insort diskette DIAG21
- Remove the jumper	- Press the Load key
- Install jumper between A-A2V3D06 and B02	- Select the TU Select option.
(+POR (power on reset) jumpered to +end of forms).	- Select the 3262 Printer option.
Do results = 4000?	- Select TE217 which loads the 3262 printer functional
Ϋ́N	microcode into the printer controller.
007	
Bad cable at location A-A2V2.	Go to the 3262 printer entry MAP 0010, Entry Point A.

EC 826487	PEC 826380

15Feb84 PN 2596080

Printer Reset Test

5360 Systems Unit

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012

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin D09 (J09 for 2 wide connectors/sockets) and cable socket 2 pin B12 (G12 for 2 wide connectors/sockets) (-close contactor jumpered to -belt up to speed).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D0.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

Y N

013

- Continue to loop on test TE2D0. Do results = 4000?

YN

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.

ΕF

014

- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.

MAP 5032-3

- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2S05 (-close contactor).

Are the lights correct?

ΥN

015 Bad card: A-A2S2.

016

Bad cable at location A-A2V3 ---or---Bad -close contactor net on I/O board A2 (FLD Page PS200).

017

- Continue to loop on test TE2D0.
- Remove the jumper.
- Install jumper between A-A2V3D09 and A-A2V3B12 (-close contactor jumpered to -belt up to speed).

Do results = 4000?Ν v

G

018

Bad cable at location A-A2V3.

15Feb84 PN 2596080 EC 826487 PEC 826380 MAP 5032-3

Ď ΕF

MAP 5032-4

D G Printer Reset Test 5360 Systems Unit PAGE 4 OF 4 019 - Continue to loop on test TE2D0. - Remove the jumper. - Install jumper between A-A2S2S05

A-A2V3B12

(-close contactor jumpered to -belt up to speed).

and

Do results = 4000?

ΥN

020

Bad -close contactor net on I/O board A2 (FLD Page PS200).

021

Bad card: A-A2S2.

022

The -close contactor interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596080 EC 826487 PEC 826380 MAP 5032-4

Hammer Sample Test MAP

5360 Systems Unit

PAGE 1 OF 3

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP	ENTRY	PAGE	STEP
NUMBER	POINT	NUMBER	NUMBER
E259	A	1	001
E269	A	1	001
E289	A	1	001

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 1 pin D07 and cable socket 2 pin D13 (J13 for 2 wide connectors/sockets) (-hammer sample jumpered to -printer busy).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2D4.

The TU description should be displayed.

- Press the Enter key (system console).

- Select option 2 (loop on test displaying results).

```
Do results = 0000?
Y N
```

2 2 2 A B C

```
002

- Continue to loop on test TE2D4.

Do results = 4000?

Y N

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```

MAP DESCRIPTION:

This MAP is the hammer sample test MAP. This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that forms are loaded in the printer.
- Check that the throat and belt covers are closed.
- Jumper PN 5785274 required.

FRUs PARTIALLY TESTED:

A-A2S2 Board wiring I/O cables Printer cable



Hammer Sample Test

5360 Systems Unit

PAGE 2 OF 3

003

B C 1 1

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2P02 (-hammer sample).

Are the lights correct?

ΥN

004

Bad card: A2S2.

005

Bad cable at location A-A2V4

---or---

Bad -hammer sample net on I/O board A2 (FLD Page PS200).

006

- Continue to loop on test TE2D4.

- Remove the jumper.

- Install jumper between A-A2V4D07 and A-A2V3D13 (-hammer sample) jumpered to -printer busy).

Do results = 4000?

Y N

007

Bad cable at location A-A2V4.

008

A 1 D

- Continue to loop on test TE2D4.
- Remove the jumper.
- Install jumper between A-A2S2P02 and A-A2V3D13 (-hammer sample jumpered to -printer busy).

MAP 5034-2

Do results = 4000?

Y N

009

Bad -hammer sample net on I/O board A2 (FLD Page PS200).

010

```
Bad card:
A-A2S2.
```

011

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Check continuity between the following points:

Cable

socket	: 1 A-A2S2	net name
D09	and U07	-fire tier 1
D10	and U10	-fire tier 2
D11	and U12	-fire tier 3
D12	and UO9	-fire tier 4
D13	and U11	-fire tier 5

Was continuity OK?

Y N

012

Bad cable at location A-A2V4

---or---

Bad net on I/O board A2 for one or more of the interface lines Fire tier 1-5 (FLD Page PS200).

15Feb84	PN 2596081
EC 826487	PEC 826380
	MAP 5034-2

D

3 E

MAP 5034-2

Hammer Sample Test

5360 Systems Unit

PAGE 3 OF 3

E 2

The -hammer sample interface line is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

Cable Interlock MAP

5360 Systems Unit

PAGE 1 OF 4

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E255 E259	A	1	001
E283	A	1	001
5000	A	1	001

001

(Entry Point A)

- Probe the following:

Up Light: Off Down Light: On

A-A2S2U05 (+cable interlock).

Are the lights correct?

ΥN

Δ

002

- Set the printer Unit Emergency switch to the Power Off position.
- Leave the system power on.
- Check the printer interface cable connections at the system cable tower. See 50-230.
- Set the printer Unit Emergency switch to the Power Enable position.
- Probe the following:

Up Light: Off Down Light: On

(Step 002 continues)

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MAP DESCRIPTION:

This is the cable interlock MAP. This MAP aids you in finding the cause of a cable interlock problem between the 3262 printer and the attachment.

START CONDITIONS:

System and printer power are on.

- Ensure that the belt and ribbon are installed and the forms are loaded in the printer.
- Check that the throat is closed and the belt cover is fastened tightly.

FRUs PARTIALLY TESTED: A-A2R2 and S2

15Feb84	PN 2596082
EC 826487	PEC 826380
	MAP 5036-1

MAP 5036-1

Cable Intlk MAP

5360 Systems Unit

PAGE 2 OF 4

(Step 002 continued) A-A2S2U05 (+cable interlock).

Are the lights correct?

ΥN

003

(Entry Point B)

- Select mode 6.
- Press the Power key (power off).
- Check that the cables in the following list are seated correctly:
- Cable at location A-A2V2 in the system Cable at location A-A2V3 in the system Cable at location A-A2V4 in the system (50-210).
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2U05 (+cable interlock). Are the lights correct? Y N

004

4 4 3 3 B C D F

- Select mode 6.
- Press the Power key (power off).
- Install the following jumpers:

A-A2V2D04 to V2B13 A-A2V3D05 to V3B13 A-A2V4D03 to V4B13. - Press the Power key (power on).

- Probe the following:

Up Light: Off Down Light: On

A-A2S2U05 (+cable interlock). Are the lights correct? Y N

15Feb84 PN 2596082 EC 826487 PEC 826380 MAP 5036-2

Note: - Ensure that each cable is plugged into its correct socket.

D E Cable Intlk MAP 5360 Systems Unit PAGE 3 OF 4

005

- Remove all jumpers installed earlier. Bad +cable interlock net on I/O board A2 (FLD Page PS200).

006

- Remove all jumpers installed earlier.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2, and 3 (blue) at the system cable tower.
- Check continuity between the following points:

```
Cable
 socket 3 A2 board
                     Net name
 ------
           _____
                     _____
        and V2B13
                     Cable Interlock
  B13
  D04
        and V2D04
                      Cable Interlock
 Cable
 socket 2 A2 board Net name
                      _____
  B13 * and V3B13
D05 * and V3D05
                      Cable Interlock
                      Cable Interlock
 *see note
 Cable
 socket 1 A2 board Net name
                      _____
  B13
        and V4B13
                      Cable Interlock
        and V4D03
  D03
                      Cable Interlock
Was continuity OK?
YN
```

007

Bad cable at location A-A2V2 ---or---Bad cable at location A-A2V3 ---or---Bad cable at location A-A2V4.

MAP 5036-3

Note: for a system with 2 wide printer connector/sockets, for cable socket 2; pin B13 = pin G13 and pin D05 = pin J05.

> 15Feb84 PN 2596082 EC 826487 PEC 826380 MAP 5036-3

A B C F Cable Intlk MAP 1 2 2 3 5360 Systems Unit PAGE 4 OF 4 008

A +cable interlock check is indicated.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

009

Go to MAP 5001, Entry Point A and run the printer MDI diagnostics to verify the fix.

010

Go to MAP 5001, Entry Point A and run the printer MDI diagnostics to verify the fix.

011

Bad card: A-A2S2. MAP 5036-4

15Feb84 PN 2596082 EC 826487 PEC 826380 MAP 5036-4

Wrap Return Bit Error MAP

5360 Systems Unit

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ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP	ENTRY	PAGE	STEP
NUMBER	POINT	NUMBER	NUMBER
E261	B	3	012
E277	A	1	001
E277	C	4	023

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).

- Install jumper between printer cable socket 3 pin D03 and cable socket 1 pin B08 (-wrap return 1 data bit 6 jumpered to -data bit 6).

- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- -Select TE2E1.

The TU description should be displayed.

- Press the Enter key (system console).

- Select option 2 (loop on test displaying results).

```
Do results = 0000?
```

YN

2 2 2 A B C

002 - Continue to loop on test TE2E1. Do results = 8400? Y N

MAP DESCRIPTION:

This is the printer wrap, return bit error MAP. This MAP finds the failing FRU.

START CONDITIONS:

The system and printer power are on. Jumper PN 5785274 required.

FRUs PARTIALLY TESTED: A-A2S2

board wiring I/O cables

Note: The signal lines tested in this MAP are used for diagnostic purposes and do not go to the printer.

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15Feb84 PN 2596083 EC 826487 PEC 826380 MAP 5038-1 B C 1 1 A D Wrap Return Bit Error MAP MAP 5038-2 5360 Systems Unit PAGE 2 OF 5 **Ò03** 008 - Press the ATTN key to stop the test loop. - Continue to loop on test TE2E1. - Remove the jumper. - Remove the jumper. - Select mode 6. Install jumper between A-A2S2D13 and - Press the Power key (power off). A-A2V4B08 (-wrap return 1 data bit 6 jumpered - Remove the 3262 printer attachment card at to -data bit 6). A-A2S2. Do results = 8400?- Press the Power key (power on). YN - Probe the following: 009 Up Light: Off Bad -wrap return 1 data bit 6 net on I/O board Down Light: On A2 (FLD Page PS200). A-A2S2D13 (-wrap return 1 data bit 6). 010 Are the lights correct? Bad card: ΥN A-A2S2. 004 011 Bad card: The -wrap return 1 data bit 6 interface line is not at A-A2S2. the expected level. - Press the ATTN key to stop the test loop. 005 - Remove the jumper. Bad cable at location A-A2V2 - Record the indicated error or symptom for use in the ---or---3262 printer entry MAP. Bad -wrap return 1 data bit 6 net on I/O board A2 - Select mode 6. (FLD Page PS200). - Press the Power key (power off). - Reinstall any cables removed earlier. 006 - Reinstall any logic cards removed earlier. - Continue to loop on test TE2E1. - Press the Power key (power on). - Remove the jumper. - Set the printer Unit Emergency switch to the Power - Install jumper between A-A2V2D03 and A-A2V4B08 Enable position. (-wrap return 1 data bit 6 jumpered to -data bit 6). - Select mode E. Do results = 8400? - Enter FF00. ΥN - Insert diskette DIAG21. - Press the Load key.

007

Bad cable at location A-A2V2.

Select the 3262 Printer option.
 Select TE217 which loads the 3262 printer functional microcode into the printer controller.

- Select the TU Select option.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84	PN 2596083
EC 826487	PEC 826380
	MAP 5038-2

Wrap Return Bit Error MAP

5360 Systems Unit

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012

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 3 pin D06 and cable socket 1 pin B09 (-wrap return 2 data bit 7 jumpered to -data bit 7).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2E2.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).
- Do results = 0000?

ΥN

4 E F

013

ΥN

- Continue to loop on test TE2E2. Do results = 8400?

- 014Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2J11 (-wrap return 2 data bit 7). (Step 014 continues)

MAP 5038-3

(Step 014 continued) Are the lights correct? Y N 015 Bad card:

A-A2S2.

| 016

F

Bad cable at location A-A2V2 ---or---Bad -wrap return 2 data bit 7 net on I/O board A2 (FLD Page PS200).

017

- Continue to loop on test TE2E2.
- Remove the jumper.
- Install jumper between A-A2V2D06 and A-A2V4B09 (-wrap return 2 data bit 7 jumpered to -data bit 7).

Do results = 8400?

- ΥN
- 018
- Bad cable at location A-A2V2.

019

- Continue to loop on test TE2E2.
- Remove the jumper.
- Install jumper between A-A2S2J11 and A-A2V4B09
- (-wrap return 2 data bit 7 jumpered to -data bit 7). Do results = 8400?

Doro YN

020

Bad -wrap return 2 data bit 7 net on I/O board A2 (FLD Page PS200).

021

Bad card: A-A2S2.



.....

Wrap Return Bit Error MAP

5360 Systems Unit

PAGE 4 OF 5

Ö22

Е 3

The -wrap return 2 data bit 7 interface line is not at	(Entry Point
the expected level.	- Set the pr
- Press the ATTN key to stop the test loop.	Off positio
- Remove the jumper.	- Select mo
- Record the indicated error or symptom for use in the	- Press the
3262 printer entry MAP.	- Disconnec
- Select mode 6.	cable towe
- Press the Power key (power off).	- Install jum
- Reinstall any cables removed earlier.	and cable :
- Reinstall any logic cards removed earlier.	jumpered t
- Press the Power key (power on).	- Press the
- Set the printer Unit Emergency switch to the Power	 Select mo
Enable position.	- Enter FF00
~ Select mode E.	 Insert disk
- Enter FF00.	- Press the
- Insert diskette DIAG21.	 Select the
- Press the Load key.	- Select the
- Select the TU Select option.	- Select TE2
- Select the 3262 Printer option.	The TU desc
- Select TE217 which loads the 3262 printer functional	- Press the
microcode into the printer controller.	- Select opt
	Da ve sulta

Go to the 3262 printer entry MAP 0010, Entry Point A.

023

t C)

- rinter Unit Emergency switch to the Power n.
- de 6.
- Power key (power off).
- ct printer cables 1, 2 and 3 (blue) at the er (50-230).
- nper between printer cable socket 3 pin B04 socket 1 pin B10 (-wrap return 3 data bit P to -parity bit).
- Power key (power on).
- de E.
- 0.
- kette DIAG21.
- Load key.
- TU select option.
- 3262 printer option.
- 2E3.

cription should be displayed.

- Enter key (system console).
- tion 2 (loop on test displaying results).

Do results = 0000?

```
Ν
```

```
024
```

- Continue to loop on test TE2E3.

- Do results = 8400?
- ΥN

55 GH

025

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

```
Up
     Light: Off
Down Light: On
```

A-A2S2G11 (-wrap return 3 data bit P). (Step 025 continues)

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EC 826487	PEC 826380
	MAP 5038-4

MAP 5038-4

H 4

Wrap Return Bit Error MAP

5360 Systems Unit

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(Step 025 continued) Are the lights correct? Y N

1

026 Bad card: A-A2S2.

027

Bad cable at location A-A2V2

Bad -wrap return 3 data bit P net on I/O board A2 (FLD Page PS200).

028

- Continue to loop on test TE2E3.
- Remove the jumper.

- Install jumper between A-A2V2B04 and A-A2V4B10 (-wrap return 3 data bit P jumpered to -parity bit).

Do results = 8400?

ΥN

029

Bad cable at location A-A2V2.

030

- Continue to loop on test TE2E3.
- Remove the jumper.
- Install jumper between A-A2S2G11 and A-A2V4B10
- (-wrap return 3 data bit P jumpered to -parity bit).

Do results = 8400?

ΥN

031

Bad -wrap return 3 data bit P net on I/O board A2 (FLD Page PS200).

032

Bad card: A-A2S2.

033

G 4

The -wrap return 3 data bit P interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

15Feb84 PN 2596083 EC 826487 PEC 826380 MAP 5038-5

MAP 5038-5

Cable Test MAP

5360 Systems Unit

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ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E287	А	1	001

001

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin D06 (J06 for 2 wide connectors/sockets) and cable socket 2 pin B02 (G02 for 2 wide connectors/sockets (+POR (power on reset) jumpered to +end of forms).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2DA.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?



MAP DESCRIPTION:

This MAP tests three interface lines -hammer echo return, +POR (power on reset) or -close contactor for an open. If necessary it will go to the 3262 printer entry MAP.

START CONDITIONS:

- The system and printer power are on.
- Ensure that the type belt and the ribbon are installed and that the forms are loaded in the printer.
- Check that the throat and belt covers are closed.
- Jumper PN 5785274 required.

FRUs PARTIALLY TESTED: Printer cable I/O cables

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```
A B
1 1
                Cable Test MAP
                                                                                            MAP 5040-2
               5360 Systems Unit
               PAGE 2 OF 4
                                                        (Step 007 continued)
  002
                                                        Do results = 0000?
  - Continue to loop on test TE2DA.
                                                        Y N
  - Remove the jumper.

    Install

            jumper
                      between
                                 A-A2V3D06
                                                           008
                                                and
   A-A2V3B02 (+POR (power on reset) jumpered to
                                                           - Continue to loop on test TE2D0.
   +end of forms).
                                                           - Remove the jumper.
  Do results = 4000?
                                                                                         A-A2V3D09

    Install

                                                                     jumper between
  Y N
                                                            A-A2V3B12 (-close contactor jumpered to -belt up
                                                            to speed).
     003
                                                           Do results = 4000?
     Bad cable at location A-A2V3.
                                                           ΥN
  004
                                                              009
  - Continue to loop on test TE2DA.
                                                              Bad cable at location A-A2V3.
  - Remove the jumper.

    Install

            jumper
                      between A-A2S2G13
                                                           010
                                                and
   A-A2V3B02 (+POR (power on reset) jumpered
                                                           - Continue to loop on test TE2D0.
  to +end of forms).
                                                           - Remove the jumper.
  Do results = 4000?

    Install

                                                                     jumper
                                                                               between
                                                                                          A-A2S2S05
  ΥN
                                                            A-A2V3B12 (-close contactor jumpered to -belt up
                                                            to speed).
     005
                                                           Do results = 4000?
     Bad +POR (power on reset) net on I/O board A2
                                                           Y N
     (FLD Page PS200).
                                                              011
  006
                                                              Bad -close contactor net on I/O board A2 (FLD
  Bad card:
                                                              Page PS200).
  A-A2S2.
                                                           012
007
                                                           Bad card:
- Press the ATTN key to stop the test loop.
                                                           A-A2S2.
- Remove the jumper.
- Install jumper between printer cable socket 2 pin D09
 (J09 for 2 wide connectors/sockets) and cable
 socket 2
             pin
                     B12
                          (G12
                                  for
                                        2
                                              wide
 connectors/sockets) (-close contactor jumpered to
 -belt up to speed).
- Return to the main menu and select the TU Select
 option.
- Select the 3262 Printer option.
- Select TE2D0.
The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).
(Step 007 continues)
```

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MAP 5040-2

and

and

Cable Test MAP

5360 Systems Unit

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013

С 2

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Install jumper between printer cable socket 1 pin B12 and cable socket 2 pin D07 (J07 for 2 wide connectors/sockets) (-hammer echo return jumpered to -activate paper clamp).
- Return to the main menu and select the TU Select option.
- Select the 3262 Printer option.
- Select TE2D1.
- The TU description should be displayed.
- Press the Enter key (system console).
- Select option 2 (loop on test displaying results).

Do results = 0000?

YN

014 - Continue to loop on test TE2D1. - Remove the jumper. - Install jumper between A-A2V4B12 and A-A2V3D07 (-hammer echo return jumpered to -activate paper clamp). Do results = 4000?Y N

015

Bad cable at location A-A2V4.

016

- Continue to loop on test TE2D1.
- Remove the jumper.

```
    Install

        jumper
                   between A-A2S2S04
                                            and
 A-A2V3D07 (-hammer echo return jumpered
 to -activate paper clamp).
```

```
Do results = 4000?
```

Y N

017

```
Bad -hammer echo return net on I/O board A2
(FLD Page PS200).
```

15Feb84 PN 2596084 EC 826487 PEC 826380 MAP 5040-3

```
D E Cable Test MAP

5360 Systems Unit

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018

Bad card:

A-A2S2.
```

019

This problem may be serviced as an any hammer on check in the 3262 printer MAPs.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

The contactor may be bad.

The failing test indicates that one of the following interface lines may not be at the expected level:

-hammer echo return
+POR (power on reset)
-close contactor

15Feb84 PN 2596084 EC 826487 PEC 826380 MAP 5040-4
Thermal and Carriage Pedestal Check

5360 Systems Unit

PAGE 1 OF 4

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E275	В	2	006
E275	С	3	011
E281	A	1	001
E283	A	1	001
E283	В	2	006
5004	A	1	001
5004	В	2	006

001

ΥN

(Entry Point A)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Measure the resistance between A-A2S2M07 and A-A2S2P08 (-thermal check 1 and Ground).

MAP DESCRIPTION:

This is the thermal check and carriage pedestal check MAP.

This MAP finds the failing FRU or, if necessary, goes to the 3262 printer entry MAP.

START CONDITIONS:

The system and printer power are on.

- Ensure that the type belt and the ribbon are installed and that the forms are loaded in the printer.
- Check that the throat and belt covers are closed.
- Jumper PN 5785274 required.

FRUs PARTIALLY TESTED: A-A2S2 Board wiring I/O cables

Was a resistance of between 300 and 900 ohms measured?

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15Feb84 PN 2596085 EC 826487 PEC 826380 MAP 5042-1 A B 1 1

Thml and Carr Ped Chk

5360 Systems Unit

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002

Bad card: A-A2S2 ---or---Bad cable at location A-A2V2 ---or---Bad -thermal check 1 net on I/O board A2 (FLD

.003

- Check continuity between printer cable socket 3 pin B03 and A-A2S2M07 (-thermal check 1).

Was continuity OK?

Page PS200).

ΥN

004

Bad cable at location A-A2V2 ---or---Bad -thermal check 1 net on I/O board A2 (FLD Page PS200).

.005

The -thermal check 1 interface line is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

006

(Entry Point B)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Measure the resistance between A-A2S2M08 and A-A2S2P08 (-thermal check 2 and Ground).

Was a resistance of between 300 and 900 ohms measured?

ΥN

007 Bad card: A-A2S2 ---or---Bad cable at location A-A2V2 ---or---Bad -thermal check 2 net on I/O board A2 (FLD Page PS200).

008

- Check continuity between printer cable socket 3 pin D05 and A-A2S2M08 (-thermal check 2).

Was continuity OK?

ΥN

009

- Bad cable at location A-A2V2
- ---or---

Bad -thermal check 2 net on I/O board A2 (FLD Page PS200).



MAP 5042-2

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010

C 2

The -thermal check 2 interface line is not at the expected level.

- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

011

(Entry Point C)

- Set the printer Unit Emergency switch to the Power Off position.
- Select mode 6.
- Press the Power key (power off).
- Disconnect printer cables 1, 2 and 3 (blue) at the cable tower (50-230).
- Install jumper between printer cable socket 2 pin D10 (J10 for 2 wide connectors/sockets) and cable socket 1 pin B02 (-carriage pedestal check jumpered to -data bit 0).
- Press the Power key (power on).
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU select option.
- Select the 3262 printer option.
- Select TE2DB.
- Loop on test TE2DB.
- Do results = 0000?

ΥN

012

- Continue to loop on test TE2DB.

Do results = 4000?

```
ΥN
```

013

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Select mode 6.
- Press the Power key (power off).
- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A2S2M09 (-carriage pedestal check). (Step 013 continues)

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(Step 013 continued) Are the lights correct?

ΥN

E 3

014

Bad card: A-A2S2.

015

Bad cable at location A-A2V3

Bad -carriage pedestal check net on I/O board A2 (FLD Page PS200).

016

- Continue to loop on test TE2DB.
- Remove the jumper.

 Install jumper between A-A2V3D10 and A-A2V4B02
 (-carriage pedestal check jumpered to -data bit 0).

Do results = 4000?

ΥN

017

Bad cable at location A-A2V3.

018

- Continue to loop on test TE2DB.
- Remove the jumper.

- Install jumper between A-A2S2M09 and A-A2T2M04 (-carriage pedestal check jumpered to

-data bit 0).

Do results = 4000?

ΥN

019

Bad -carriage pedestal check net on I/O board A2 (FLD Page PS200).

020

Bad card: A-A2S2.

Ö21

D 3

The -carriage pedestal check interface line is not at the expected level.

- Press the ATTN key to stop the test loop.
- Remove the jumper.
- Record the indicated error or symptom for use in the 3262 printer entry MAP.
- Select mode 6.
- Press the Power key (power off).
- Reinstall any cables removed earlier.
- Reinstall any logic cards removed earlier.
- Press the Power key (power on).
- Set the printer Unit Emergency switch to the Power Enable position.
- Select mode E.
- Enter FF00.
- Insert diskette DIAG21.
- Press the Load key.
- Select the TU Select option.
- Select the 3262 Printer option.
- Select TE217 which loads the 3262 printer functional microcode into the printer controller.

Go to the 3262 printer entry MAP 0010, Entry Point A.

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MAP 5042-4

Printer Data Protect Error MAP

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ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
E259	А	1	001

001

(Entry Point A)

- Select mode 6.

- Press the Power key (power off).

- Remove the 3262 printer attachment card at A-A2S2.
- Press the Power key (power on).

- Probe the following:

Up Light: Off Down Light: On

A-A2S2B06 (- Data protect).

Are the lights correct?

ΥN

002

Bad card: A-A2S2

003

- Select mode 6.
- Press the Power key (power off).
- Disconnect cable at A-A1A5.
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A1A5D13 (- data protect). Are the lights correct?



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This is the printer - data protect MAP. This MAP finds the failing FRU.

START CONDITIONS: The system and printer power are on.

MAP DESCRIPTION:

FRUs PARTIALLY TESTED: A-A1C2, A1D2, A2C2, A2D2, A2S2 Power protect card Board wiring System cables

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A B	Printer Data Protect Error MAP	C D	MAP 5044-2
	5360 Systems Unit	1	
	PAGE 2 OF 3		
004		008	
Go to	Page 3, Step 014, Entry Point B.	- Select mode 6.	
		- Press the Power key (power off)).
005		- Reinstall A1C2 or A2C2 remove	d in the preceding
- Set CE	31 to the Off position (05-215).	step.	
- Reinsta	all the cable. A1A5.	- Press the Power key (power on)	
- Discon	inect cable at A-A2Z4.	- Probe the following:	
- Set CE	31 to the On position (05–215).		
- Press the Power key (power on).		Up Light: Off	
- Probe	the following:	Down Light: On	
Up	Light: Off	A-A1A5D13 (- data protect).	
Down	Light: On	Are the lights correct?	
		YN	
A-A1A	5D13 (- data protect).		
Are the	lights correct?	009	
ΥN		Bad card:	
		A1C2	
006		or	
Bad c	able:	A2C2.	
A2Z4			
or		010	
Badio	ooard:	Bad card:	
A3.		A1D2	
I 007		or	
- Select	mode 6	AZDZ.	
- Proce 1	the Power key (power off)	I 011	
- Remov	ve and identify the following cards if installed:	- Select mode 6	
A1C2	to and identify the following cards it installed.	- Press the Power key (nower off)	
A1D2		- Disconnect cable at A171	
A2C2		- Press the Power key (power on)	
A2D2.		- Probe the following:	
- Proce	the Power key (newer on)		
- Probe	the following:	Down Light: On	
11000	the following.		
Up	Light: Off	A-A1A5D13 (- data protect).	
Down	Light: On	Are the lights correct?	
		Y N	
A-AIA	5D13 (- data protect).		
	IIgnts correct/		
		15Feb84	PN 2596086
			PEC 826200
• •		3 3	FEC 020380
ιIJ		E F	MAP 5044-2

E F Prin 2 2 5360 PAG 012 Bad cable: A1Z1 ---or---Bad board: A2. 013

Bad board:

A1.

Printer Data Protect Error MAP

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014

(Entry Point B)

- Set CB1 to the Off position (05-215).
- Reinstall the cable: A1A5.
- Disconnect cable J4A (control panel).
- Set CB1 to the On position (05-215).
- Press the Power key (power on).
- Probe the following:

Up Light: Off Down Light: On

A-A1A5D13 (- data protect). Are the lights correct?

ΥN

015 Bad card: Power protect ---or---Bad cable: J4D (control panel) ---or---Bad control panel.

016

Set CB1 to the Off position (05-215).
Bad cable:
J4A (control panel).

15Feb84 PN 2596086 EC 826487 PEC 826380 MAP 5044-3